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FIELD MAINTENANCE PRINT SET

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Digital Equipment Corporation

PRINT SET ORDER NO.
MP00322



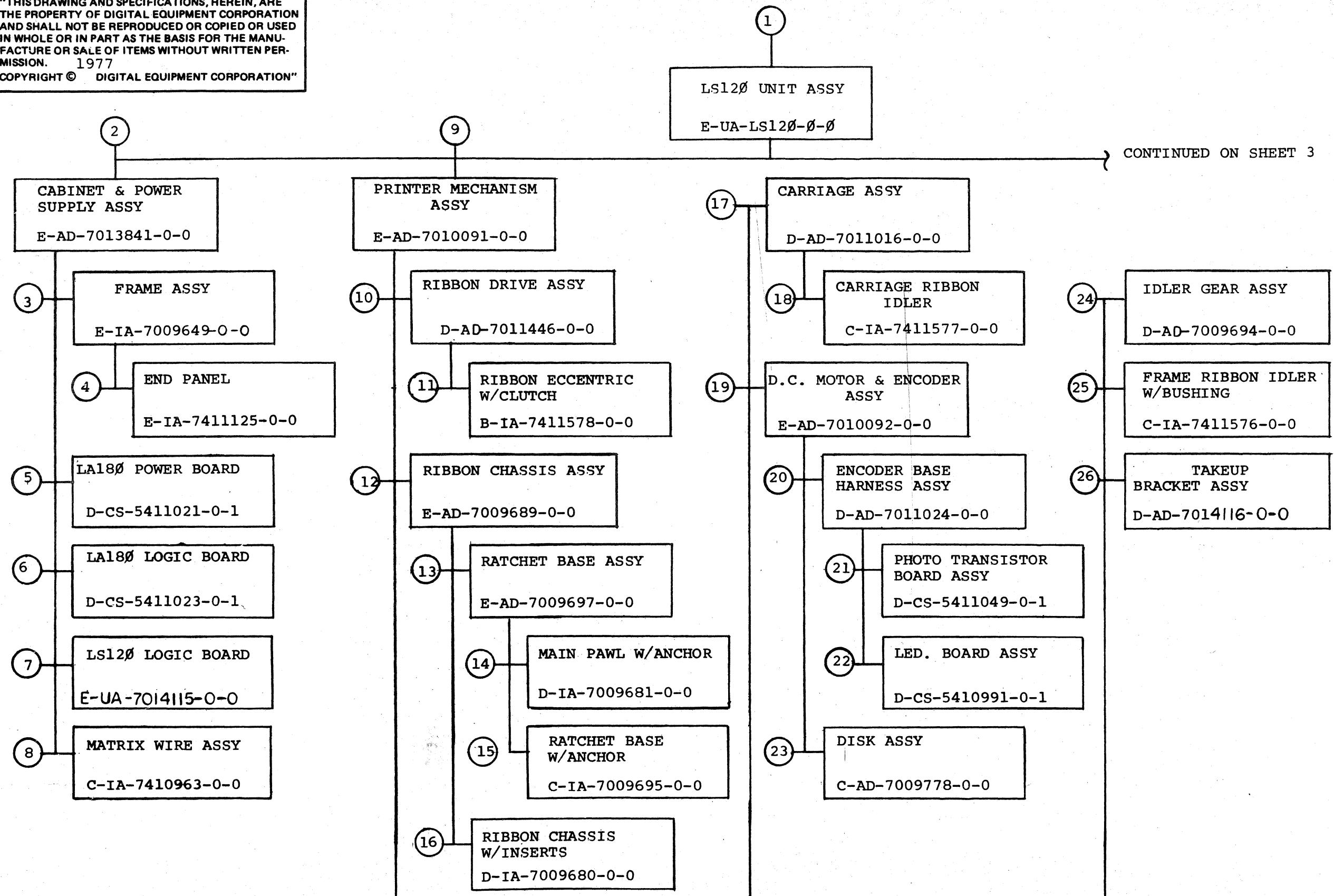
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DRAWING DIRECTORY

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UNIT VARIATIONS

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CONTINUED FROM
SHEET 2

27

PRINT HEAD ASSY

B-DD-7009882-0-0

28

PACKAGING
INSTRUCTIONS

A-SP-3700131-0-0

29

KEYBOARD BEZEL ASSY

E-AD-7009750-0-0

34

MOTOR FAN ASSY

C-AD-7010756-0-0

30

BRACKET, BEZEL

E-IA-7411427-0-0

31

63 KEY
KEYBOARD ASSY

B-DD-LKØ2-Ø

32

14 KEY
KEYBOARD ASSY

B-DD-LKØ3-A

33

LS12Ø FRONT PANEL
CONTROL ASSY

C-AD-7013913-0-0

TITLE	SHEET 3 OF 8	SIZE CODE	NUMBER	REV
LS12Ø DRAWING DIRECTORY		B DD	LS12Ø-Ø	

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
1	MPØØ322	FIELD MAINTENANCE PRINT SET (MP)	-		D-UA-BCØ5C-Ø-Ø	EIA INTERFACE CABLE	E
	B-TC-LS12Ø-Ø-Ø	FIELD MAINTENANCE PRINT SET (TC)	-		D-UA-BCØ5L-Ø-Ø	CABLE JUMPER	E
	E-UA-LS12Ø-Ø-Ø	LS12Ø UNIT ASSY	E/M		D-IA-7010964-0-0	AC HARNESS	E
	A-PL-LS12Ø-Ø-Ø	LS12Ø UNIT ASSY (PL)	E/M		E-IA-7013916-0-0	CONTROL HARNESS	E
	D-IA-7010758-0-0	COVER	M		C-IA-7414041-0-0	BRACKET HINGE	M
	E-MD-7411116-0-0	HOUSING	M				
	C-MD-7411818-0-0	CLIP, COVER	M				
	B-MD-7413675-0-0	BEZEL SPACER	M				
	A-MD-7412103-0-0	PKG. OF PAPER	M				
	E-PS-1212009-0-0	PRINT WINDOW	M				
	A-DC-7416197-0-1	UNDERWRITERS LABEL	M				
	C-PS-36II826-0-0	NAME PLATE	M				
	D-IC-LS12Ø-Ø-2	INTERCONNECTION DRAWING	E				
2	E-AD-7013841-0-0	CABINET ASSY W/POWER SUPPLY	E/M				
	A-PL-7013841-0-0	CABINET ASSY W/POWER SUPPLY (PL)	E/M				
	E-IA-7411120-0-0	DOOR, CABINET	M				
	B-AD-7009673-0-0	POWER CORD ASSY	E				
	C-AD-7011045-0-0	POWER CORD ASSY	E				
	D-PS-1612256-0-0	TRANSFORMER ASSY 6ØHZ	E/M				
	C-MD-7411607-0-0	PLATE, COVER	M				
	D-AD-7009895-0-0	HARNESS, CAPACITOR	E				
	C-AD-7010001-0-0	JUMPER	E				
	D-IA-7010964-0-0	AC HARNESS	E				
	B-MD-7417011-0-0	CLIP ENCLOSURE	M				
	A-DC-7415773-0-0	FUSE DECAL	M				
	C-IA-7011657-0-0	CABLE PAPER OUT	E				
	C-MD-7412996-0-0	BRACKET SPEAKER	M				
	A-DC-7412548-0-0	FUSE RATING LABEL	M				
	C-MD-7413286-0-0	COVER, EMI FILTER	M				
	D-IA-7412158-0-0	PAPER GUIDE	M				
	B-MD-7414144-0-0	FOAM, PROTECTIVE	M				
	C-MD-7412424-0-0	SWITCH REWORK	E/M				
	D-PS-1612257-0-0	TRANSFORMER ASSY 5ØHZ	E/M				
	B-MD-7415068-0-0	PIVOT, CABINET DOOR	M				
	B-MD-7415067-0-0	SCR, SPECIAL	M				
	C-MD-7415114-0-0	COVER, CAPACITOR	M				
	B-MD-7415374-0-0	SPACER, FUSE HOLDER	M				
	D-MD-7414044-0-0	SIDE RAIL (L.H.)	M				
	D-MD-7414045-0-0	SIDE RAIL (R.H.)	M				

TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL

digital

TITLE LS12Ø DRAWING DIRECTORY SHEET 4 OF 8 SIZE B CODE DD NUMBER LS12Ø-Ø REV

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
6	D-CS-5411023-0-1 K-CO-5411023-0-4 E-AH-5411023-0-5 B-MH-5411023-0-6	LA18Ø LOGIC BOARD X-Y COORDINATE HOLE LOCATION ASSY DRILLING HOLE LAYOUT MODULE ECO HISTORY	E E E/M E		B-MD-7411575-0-0 B-MD-7411412-0-0 C-PS-1212510-0-0 E-IA-7411028-0-0 C-MD-7413672-0-0 C-MD-7413699-0-0 C-IA-7011147-0-0 C-MD-7413705-0-0 B-MD-7412535-0-0 B-MD-7413698-0-0 C-MD-7414433-0-0 B-MD-7415318-0-0 C-MD-7414835-0-0 D-MD-7415802-0-0 C-AD-7010001-0-0	SHAFT, IDLER RETAINER, BUMPER SPRING SPRING, CARRIAGE BUMPER SIDE PLATE RESERVOIR SPRING MOTOR, STEPPING STIFFENER ADAPTER, LINE FEED WICK SCREW, TRACTOR SHIM, CARRIAGE SHAFT SPRING, PLAIN BEARING BRACKET, COVER INTERLOCK JUMPER INTERLOCK	M M M M M M E/M M E/M E/M
7	E-UA-7014115-0-0	LS12Ø LOGIC BOARD	E				
8	C-IA-7410963-0-0 B-MD-7411279-0-0 C-MD-7410876-0-0 A-MD-7411280-0-0	MATRIX WIRE ASSY BRAZE PREFORM ARMATURE BODY SOLENOID LA3Ø MATRIX PRINTER WIRE	M M M M				
9	E-AD-7010091-0-0 D-MD-7411072-0-0 C-MD-7411033-0-0 B-MD-7411439-0-0 B-MD-7411103-0-0 B-MD-7414845-0-0 C-MD-7411076-0-0 C-MD-7411075-0-0 C-MD-7411425-0-0 B-MD-7411098-0-0 D-MD-7411441-0-0 E-MD-7411440-0-0 B-MD-7411443-0-0 D-MD-7411437-0-0	PRINTER MECHANISM ASSY BAR, PRINT SHAFT CARRIAGE PIVOT LOWER RACHET, PIVOT BUSHING, PLAIN SHAFT, TRACTOR SUPPORT SHAFT, TRACTOR DRIVE BUSHING, TRACTOR SHAFT RETAINING COLLAR, SIDE PLATE HUB, CLUTCH GEAR DRIVE CLUTCH WASHER, CLUTCH KNOB, LINE FEED	E/M M M M M M M M M M M M M M M				
10					D-AD-7011446-0-0 C-MD-7411426-0-0 C-MD-7413526-0-0 B-MD-7411123-0-0 C-MD-7411124-0-0 B-MD-7411068-0-0 C-MD-7411084-0-0 D-MD-7411113-0-0	RIBBON DRIVE ASSY SPRING BACKSTOP PUSH ROD WASHER ECCENTRIC CLAMP, COLLAR SHAFT, RIBBON IDLER ROD END BRACKET, RIBBON DRIVE	M M M M M M M M
11					B-IA-7411578-0-0 B-MD-7411069-0-0	RIBBON ECCENTRIC W/CLUTCH ECCENTRIC RIBBON	M M

TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL

digital

I TITLE LS12Ø DRAWING DIRECTORY SHEET 5 OF 8 SIZE B CODE DD NUMBER LS12Ø-Ø REV

TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL

DRB 108A



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LS120 DRAWING DIRECTORY

SHEET 6 OF 8

SIZE	C
B	D

NUMBER
LS12Ø-Ø

REV

TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL

digital

TITLE LS12Ø DRAWING DIRECTORY	SHEET 7 OF 8	SIZE B	CODE DD	NUMBER LS12Ø-Ø	REV
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TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL

digital

TITLE

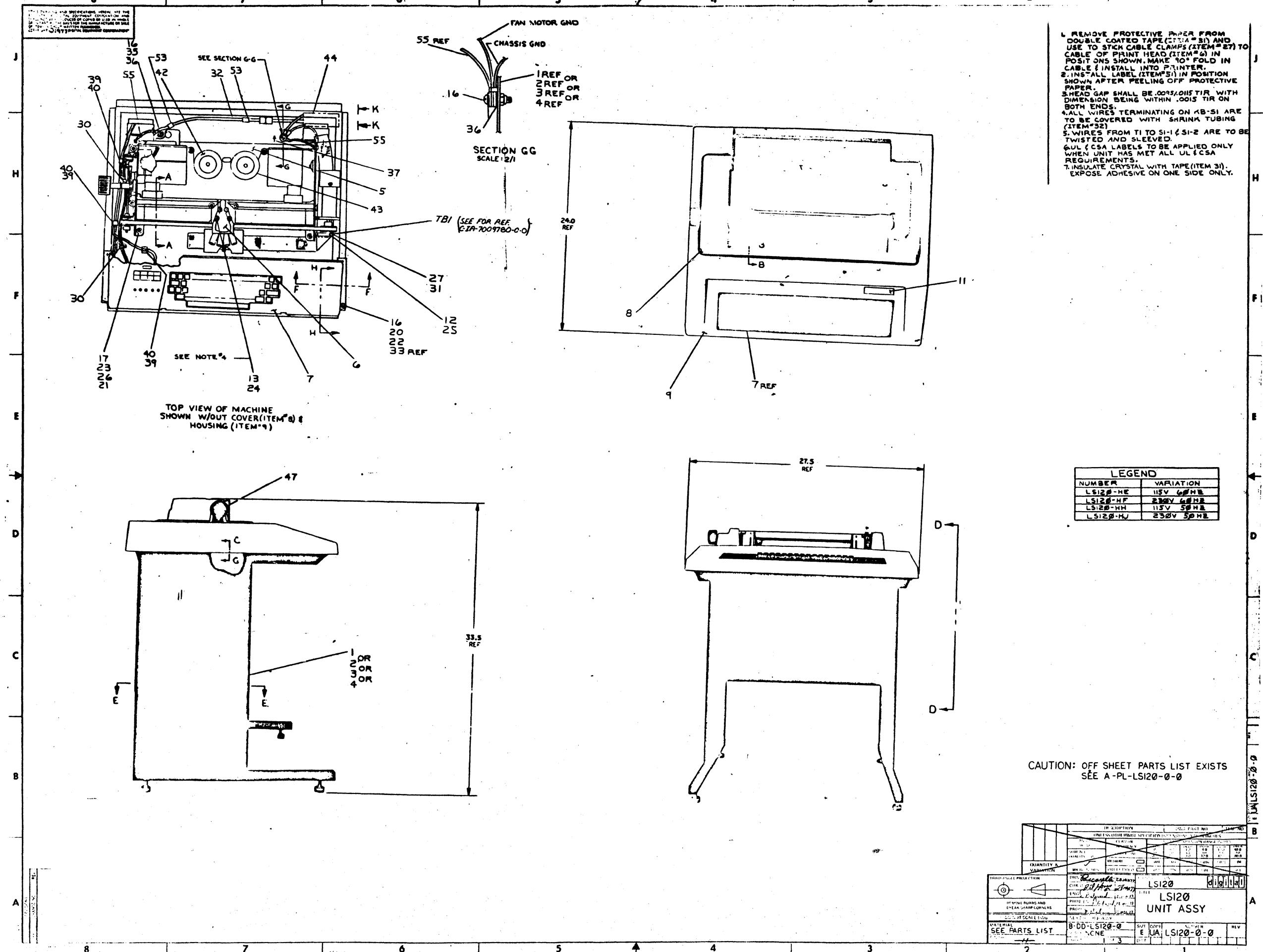
LS120 DRAWING DIRECTORY

SHEET 8

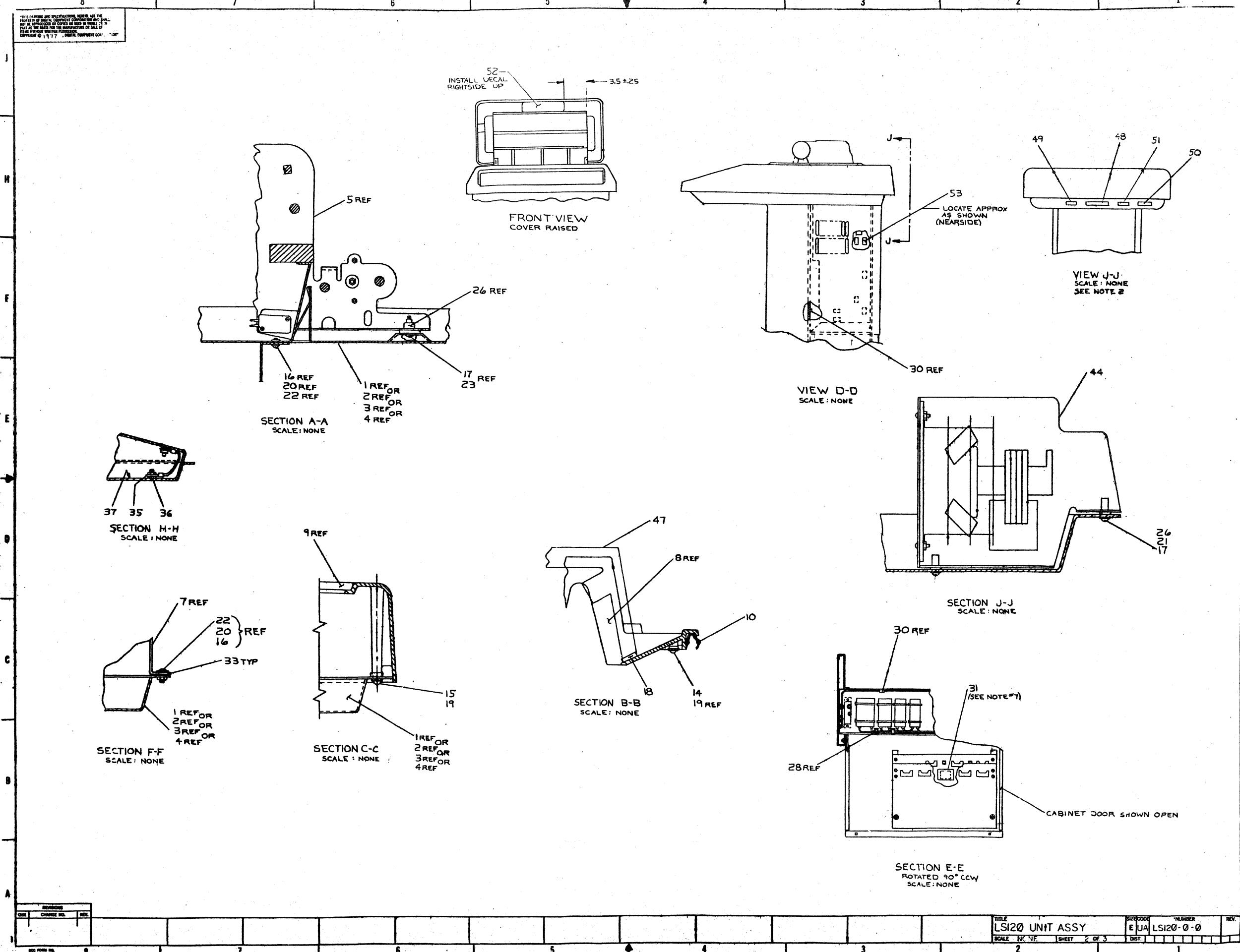
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8	B	

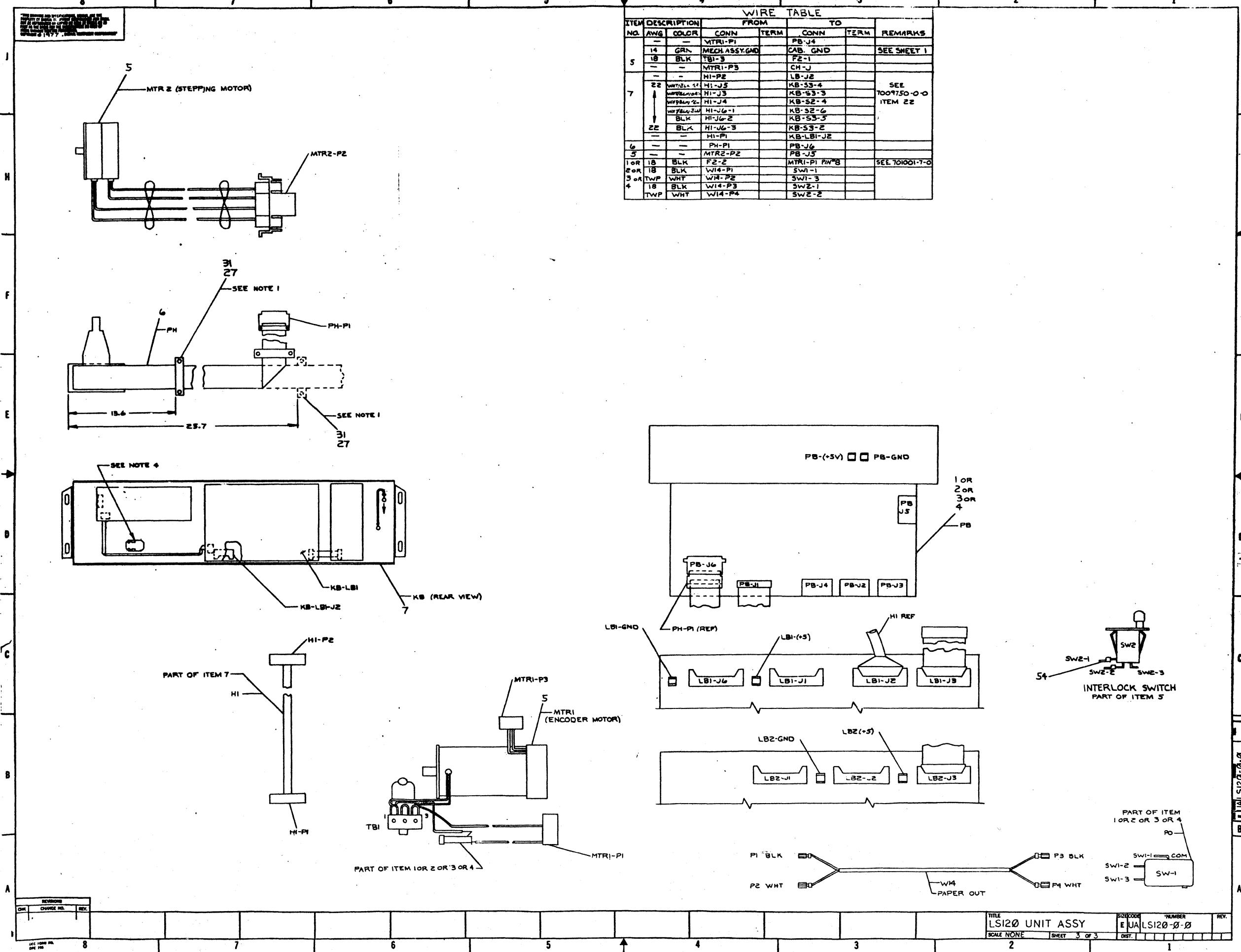
NUMBER
LS120-Ø

10



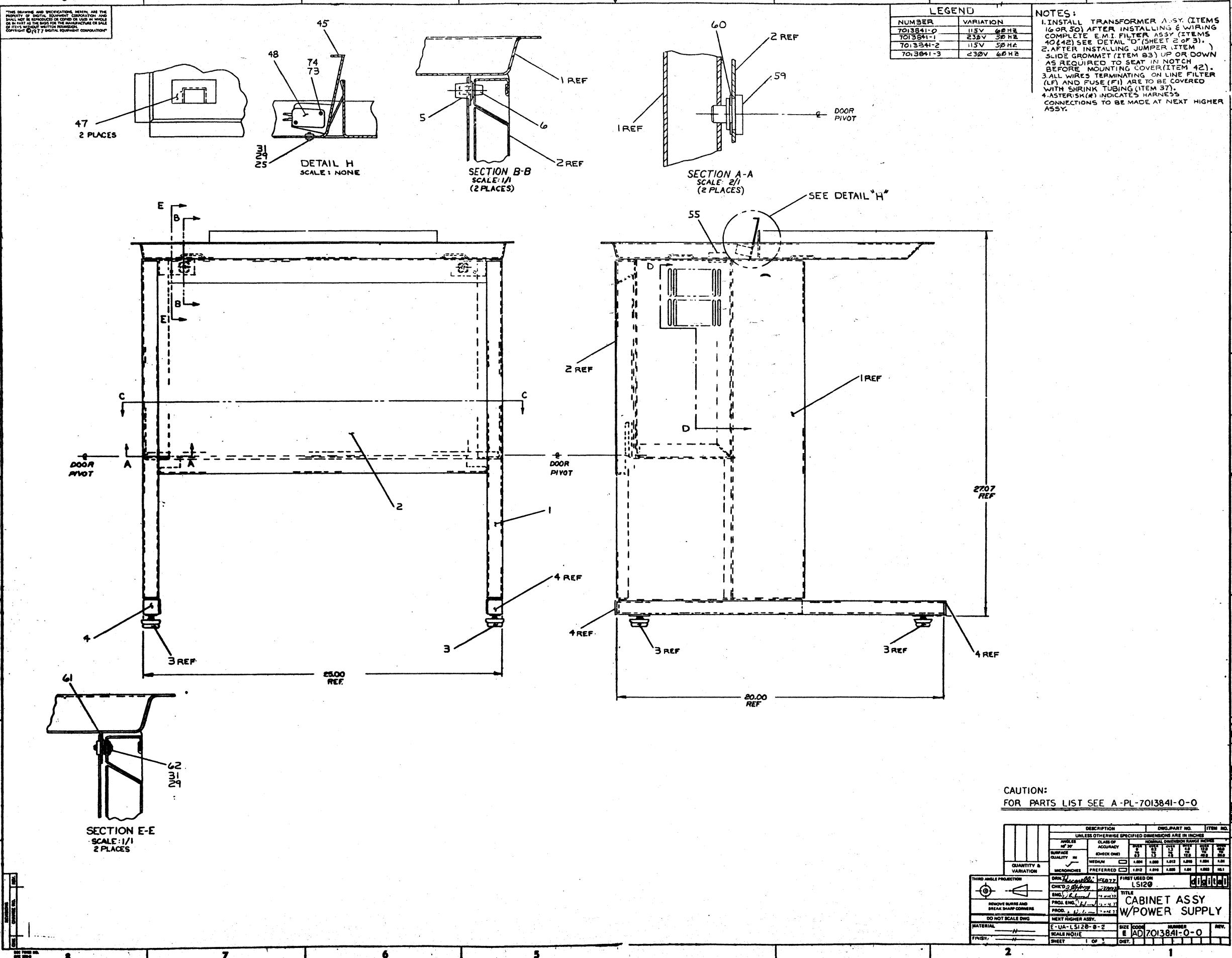
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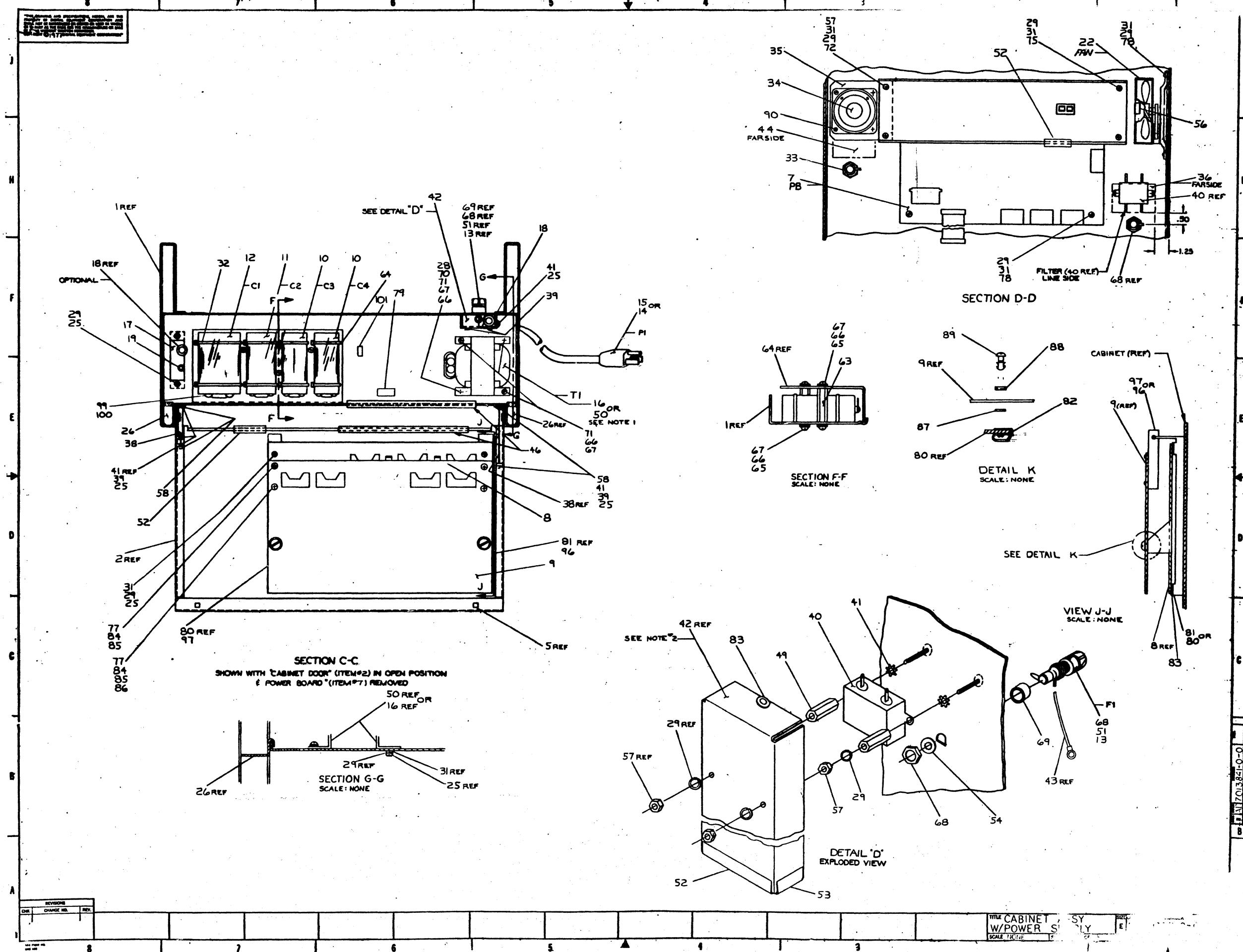


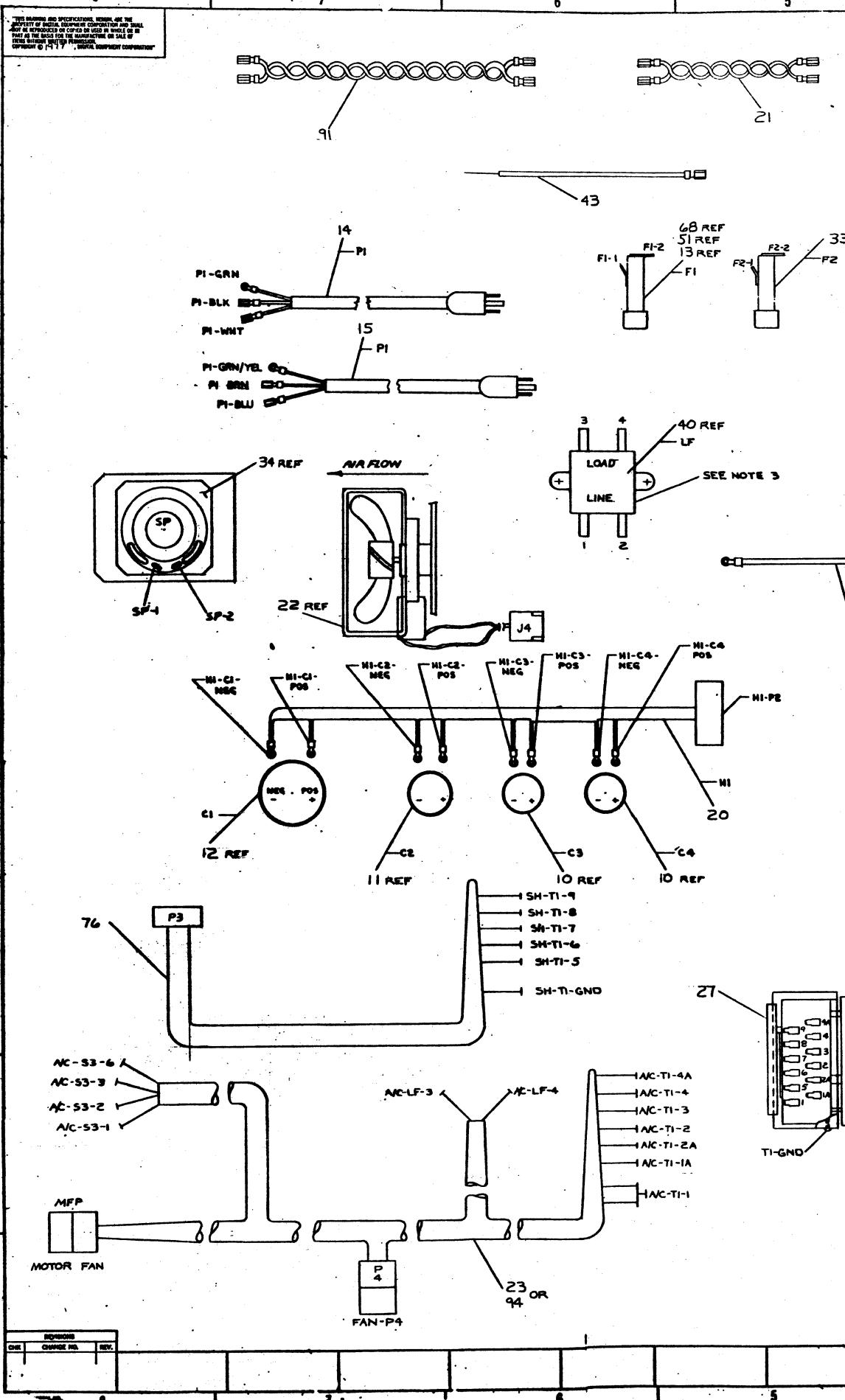


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DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY *M. Pascarella*
DATE 2 FEB 77
ENG *D. Richmond*
DATE 28 MAR 77

CHECKED *Bill Horff*
DATE 28 MAR 77
PROD *M. Nelson*
DATE 28 MAR 77

SECTION
1
ISSUED SECT.
1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY VARIATION			
			LS120-HE	LS120-HF	LS120-HH	LS120-HJ
1	E-AD-7013841-0-0	CABINET ASSY W/POWER SUPPLY (115V) 60 HZ	1	-	-	-
2	E-AD-7013841-3-0	CABINET ASSY W/POWER SUPPLY (230V) 60 HZ	-	1	-	-
3	E-AD-7013841-2-0	CABINET ASSY W/POWER SUPPLY (115V) 50 HZ	-	-	1	-
4	E-AD-7013841-1-0	CABINET ASSY W/POWER SUPPLY (230V) 50 HZ	-	-	-	1
5	E-AD-7010091-1-0	PRINTER MECHANISM ASSY	1	1	1	1
6	D-AD-7009882-0-0	PRINT HEAD ASSY	1	1	1	1
7	E-AD-7009750-5-0	KEYBOARD BEZEL ASSY	1	1	1	1
8	D-IA-7011447-0-0	COVER, SUB ASSY	1	1	1	1
9	E-MD-7411116-0-0	HOUSING	1	1	1	1
10	C-MD-7411818-0-0	CLIP, COVER	2	2	2	2
11	3611826-1-0	NAME PLATE, LS120	1	1	1	1
12	9006011-1	SCR, PHL PAN HD #4-40 x .38 LG	4	4	4	4
13	9007793-1	SCR, PHL PAN HD #6-32 x .56 LG	4	4	4	4
14	9009622-01	SCR, PHL PAN HD #6-18 x .38 LG	2	2	2	2
15	9009630-01	SCR, PHL PAN HD #6-18 x .50 LG	9	9	9	9
16	9006037-1	SCR, PHL PAN HD #8-32 x .38 LG	9	9	9	9
17	9008955-1	SCR, PHL PAN HD #10-32 x .94 LG	7	7	7	7
18	9007834-1	FOAM TAPE	A/R	A/R	A/R	A/R
19	9006653	WASHER, FLAT #6	9	9	9	9
20	9006660	WASHER, FLAT #8	7	7	7	7
21	9006664	WASHER, FLAT #10	7	7	7	7
22	9006690	WASHER, SPLIT LOCK #8	7	7	7	7
TITLE		ASSY NO.	SIZE	CODE	NUMBER	
LS120 UNIT ASSY		E-UA-LS120-0-0	A	PL	LS120-0-0	
SHEET 1 OF 3		DIST			REV	ECO NO.

DEC FORM

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY *M. Pascarella*
DATE 2 FEB 77
ENG *D. Richmond*
DATE 28 MAR 77

CHECKED *Bill Horff*
DATE 28 MAR 77
PROD *M. Nelson*
DATE 28 MAR 77

SECTION
1
ISSUED SECT.
1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY VARIATION			
			LS120-HE	LS120-HF	LS120-HH	LS120-HJ
23	9007906	WASHER, SPLIT LOCK #10	4	4	4	4
24	9006633	WASHER, INT TOOTH LOCK #6	4	4	4	4
25	9006557	NUT, KEPS #4-40	4	4	4	4
26	9008896	NUT, WELL #10-32	7	7	7	7
27	1202704	CLAMP, CABLE	2	2	2	2
28	9007031	TIE, CABLE	A/R	A/R	A/R	A/R
29						
30	9008340	CLIP, HARNESS	2	2	2	2
31	9007834	TAPE, DOUBLE COATED .50 WIDE	A/R	A/R	A/R	A/R
32	9107253-09	TUBING, SHRINKABLE	A/R	A/R	A/R	A/R
33	B-MD-7413675-0-0	BEZEL SPACER	2	2	2	2
34	A-SP-3700131-0-0	PACKAGING INSTRUCTIONS	1	1	1	1
35	9006563	NUT, KEPS #8-32	2	2	2	2
36	9008072	WASHER, EXT TOOTH LOCK #8	4	4	4	4
37	3612680	DECAL, GROUND SYMBOL	3	3	3	3
38	EK-LS120-OP-001	OPERATING INSTRUCTIONS (LS120)	1	1	1	1
39	9008264	MOUNT, CABLE TIE, ADHESIVE BACKED	3	3	3	3
40	9007880	TIE, CABLE	4	4	4	4
41	A-MD-7412103-0-0	PKG. OF PAPER (100 SHEETS)	1	1	1	1
42	3612153	RIBBON SPOOL W/RIBBON	1	1	1	1
43	1212008	RIBBON SPOOL (EMPTY)	1	1	1	1
44	C-AD-7010756-0-0	MOTOR FAN ASSY	1	1	1	1
TITLE		ASSY NO.	SIZE	CODE	NUMBER	
LS120 UNIT ASSY		E-UA-LS120-0-0	A	PL	LS120-0-0	
SHEET 2 OF 3		DIST			REV	ECO NO.

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY M. Passas et

DATE 2 FEB 7

ENG *R. Richardson*

DATE 28 MAR 77

PARTISAN
CHECKED *B.O. Hause*

DATE 28/11/09

DATE 10/10/01
PROD M. Nelson

DATE 28 MAR 77

SECTION

1

ISSUED

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**DEC FORM
DRA 110**

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY *M. Passarelli*
DATE 2 FEB 77
ENG *R. Richmond*
DATE 28 MAR 77

CHECKED *B.D. Harg*
DATE 28 MAR 77
PROD *M. Nielsen*
DATE 28 MAR 77

SECTION
1
ISSUED SECT.
1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY VARIATION			
			7013841-0	7013841-1	7013841-2	7013841-3
1	E-IA-7009649-0-0	FRAME ASSY	1	1	1	1
2	E-IA-7411120-0-0	DOOR, CABINET	1	1	1	1
3	9009685	LEVELING FOOT	4	4	4	4
4	1211067-02	TUBING CLOSURE (BLACK)	4	4	4	4
5	9009571-01	CATCH, DOOR LATCH	2	2	2	2
6	9009571-00	CATCH, DOOR STRIKE	2	2	2	2
7	D-CS-5411021-0-1	POWER BOARD (LA180)	1	1	1	1
8	D-CS-5411023-0-1	LOGIC BOARD (LA180)	1	1	1	1
9	E-UA-7014115-0-0	LOGIC BOARD (LS120)	1	1	1	1
10	1010187	CAPACITOR 14000 uFD	2	2	2	2
11	1010426	CAPACITOR 37000 uFD	1	1	1	1
12	1011545	CAPACITOR 33000 uFD	1	1	1	1
13	9009740	FUSE, 1.5 AMP SLO BLO	-	1	-	1
14	B-AD-7009673-0-0	POWER CORD ASSY (120)	1	-	1	-
15	C-AD-7011045-0-0	POWER GORD ASSY (230)	-	1	-	1
16	1612256-00	TRANSFORMER ASSY (60 HZ)	1	-	-	1
17	C-MD-7413216-0-0	PLATE, COVER	1	1	1	1
18	9009768	STRAIN RELIEF	2	2	2	2
19	9008509	STRAIN RELIEF	1	1	1	1
20	D-AD-7009895-0-0	HARNESS, CAPACITOR	1	1	1	1
21	C-AD-7010001-8-0	JUMPER	1	1	1	1
22	1212581-02	FAN ASSY	1	1	1	1

TITLE	CABINET ASSY W/POWER SUPPLY	ASSY NO. E-AD-7013841-0-0	SIZE A	CODE PL	NUMBER		REV	ECO NO.
					SHEET 1 OF 5	DIST		

DEC FORM
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY *M. Passarelli*
DATE 2 FEB 77
ENG *R. Richmond*
DATE 28 MAR 77

CHECKED *B.D. Harg*
DATE 28 MAR 77
PROD *M. Nielsen*
DATE 28 MAR 77

SECTION
1
ISSUED SECT.
1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY VARIATION			
			7013841-0	7013841-1	7013841-2	7013841-3
23	D-IA-7010964-2-0	AC HARNESS (115V)	1	-	1	-
24	9006037-3	SCR, PHL TRUSS HD #8-32 X .38	4	4	4	4
25	9006037-1	SCR, PHL PAN HD #8-32 x .38	15	15	15	15
26	B-MD-7417011-0-0	CLIP ENCLOSURE	2	2	2	2
27	9009718-4	GROMMET	1	1	1	1
28	9007651	WASHER LOCK EXT TOOTH #12	2	2	2	2
29	9006690	WASHER, SPLIT LOCK #8	28	28	28	28
30	C-IA-7010001-14-0	CABLE, PAPER OUT	1	1	1	1
31	9006660	WASHER, FLAT #8	22	22	22	22
32	9009350	TIE WRAP	8	8	8	8
33	1211638	FUSE HOLDER	1	1	1	1
34	1210299	SPEAKER 2.5 IN.	1	1	1	1
35	C-MD-7412996-0-0	BRACKET, SPEAKER	1	1	1	1
36	A-DC-7412548-0-0	FUSE RATING LABEL	1	1	1	1
37	9107253-09	SHRINK TUBING	A/R A/R A/R A/R			
38	9006990	GROUND STRAP	2	2	2	2
39	9006563	NUT, KEPS #8-32	4	4	4	4
40	1212877	FILTER EMI	1	1	1	1
41	9008151	WASHER, EXT TOOTH LOCK #8	7	7	7	7
42	C-MD-7413286-0-0	COVER, EMI FILTER	1	1	1	1
43	C-AD-7010001-12-0	JUMPER	1	1	1	1
44	A-DC-7415773-0-0	FUSE DECAL	1	1	1	1

TITLE	CABINET ASSY W/POWER SUPPLY	ASSY NO. E-AD-7013841-0-0	SIZE A	CODE PL	NUMBER		REV	ECO NO.
					SHEET 2 OF 5	DIST		

DEC FORM
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY *M. Pascarella*
 DATE 2 FEB 77
 ENG *D. Richmond*
 DATE 28 MAR 77

CHECKED *Bill Hargrave*
 DATE 28 MAR 77
 PROD *M. Nielsen*
 DATE 28 MAR 77

SECTION

1

ISSUED SECT.

1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY VARIATION			
			7013841-0	7013841-1	7013841-2	7013841-3
45	D-IA-7412158-0-0	PAPER GUIDE	1	1	1	1
46	9009718	GROMMET	2	2	2	2
47	B-MD-7414144-0-0	FOAM, PROTECTIVE	2	2	2	2
48	C-MD-7412424-0-0	SWITCH REWORK	1	1	1	1
49	9009285	SPACER, #8 HOLE x 1.00 LG.	2	2	2	2
50	1612257-00	TRANSFORMER ASSY (50 HZ)	-	1	1	-
51	9007218	FUSE, 3 AMP SLO BLO	2	1	2	1
52	9009718-02	GROMMET	2	2	2	2
53	9009718-03	GROMMET	2	2	2	2
54	9008292	WASHER, INT TOOTH $\frac{1}{2}$	2	2	2	2
55	9007018	GROMMET	1	1	1	1
56	9008340	CLIP, HARNESS	1	1	1	1
57	9006561	NUT, HEX #8-32	4	4	4	4
58	3612680	DECAL, GND SYMBOL	4	4	4	4
59	B-MD-7415068-0-0	PIVOT, CABINET DOOR	2	2	2	2
60	9009773	"E" RING, EXT. SER.	2	2	2	2
61	9009871	"O" RING	2	2	2	2
62	B-MD-7415067-0-0	SCR, SPECIAL	2	2	2	2
63	9006881	SPACER, ALUM. 3/8 x 3" x 10.32	3	3	3	3
64	C-MD-7415114-0-0	COVER, CAPACITOR	1	1	1	1
65	9006071-1	SCR, PHL PAN HD #10-32 x .38 LG	6	6	6	6
66	9007906	WASHER, SPLIT LOCK #10	9	9	9	9

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV	ECO NO.
CABINET ASSY W/POWER SUPPLY	E-AD-7013841-0-0	A	PL	7013841-0-0		
	SHEET 3 OF 5	DIST				

DEC FORM
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY *M. Pascarella*
 DATE 2 FEB 77
 ENG *D. Richmond*
 DATE 28 MAR 77

CHECKED *Bill Hargrave*
 DATE 28 MAR 77
 PROD *M. Nielsen*
 DATE 28 MAR 77

SECTION

1

ISSUED SECT.

1

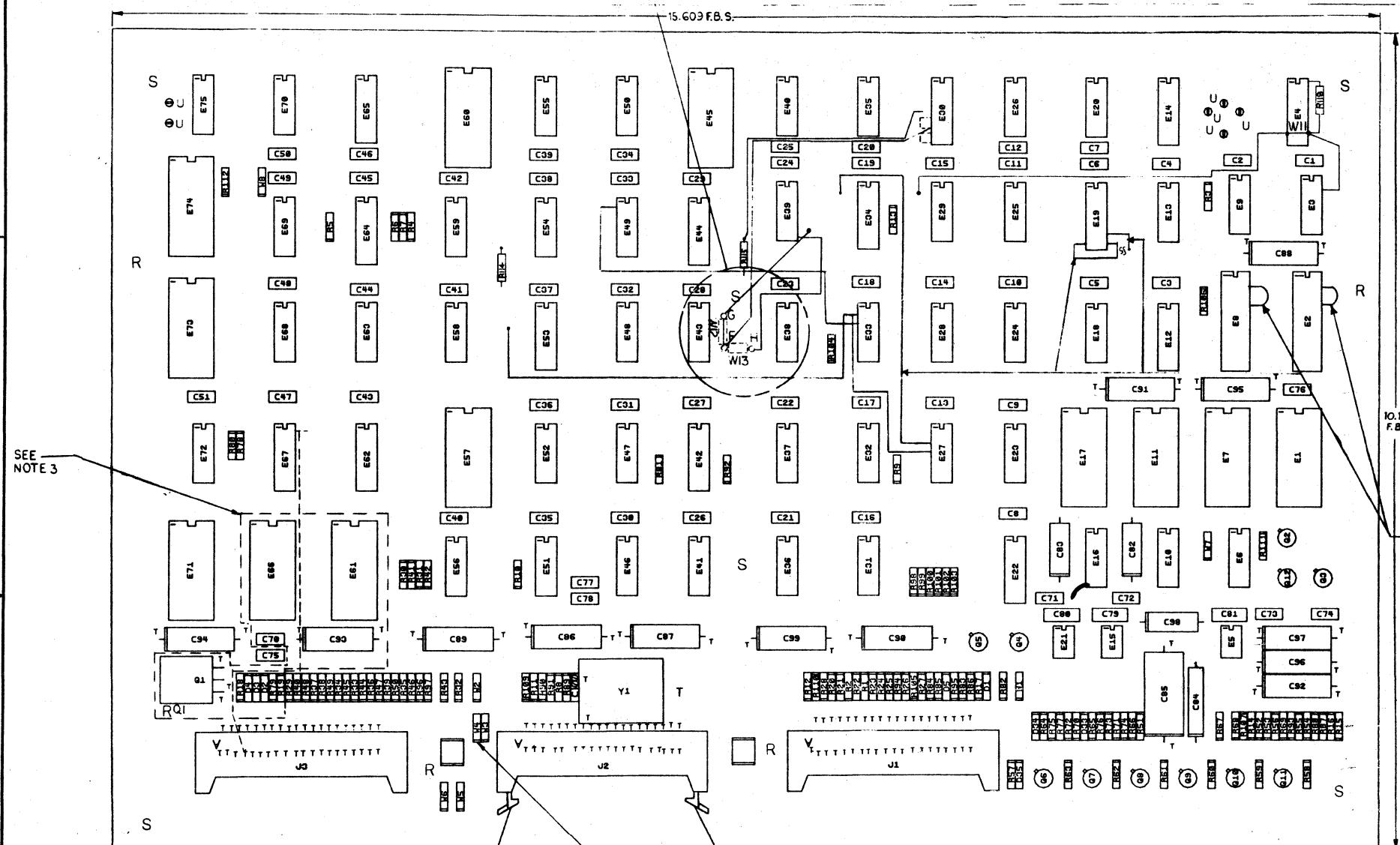
ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY VARIATION			
			7013841-0	7013841-1	7013841-2	7013841-3
67	9006664	WASHER, FLAT #10	9	9	9	9
68	1212893	FUSE HOLDER	1	1	1	1
69	B-MD-7415374-0-0	SPACER, FUSE HOLDER	1	1	1	1
70	9006565	NUT, KEPS #10-32	1	1	1	1
71	9006074 -01	SCR, PHL PAN HD #10-32 x .62 LG	4	4	4	4
72	9006306-10	SCR, SOCKET SET HEX #8-32	2	2	2	2
73	9008033-01	SCR, PHL, PAN HD #4-40 x .562 LG	2	2	2	2
74	9006557	NUT, KEPS #4-40	2	2	2	2
75	9006039	SCR, PHL, PAN HD #8-32 x .50 LG	2	2	2	2
76	C-IA-7410963-0-0	HARNESS SEC TRANSFORMER	1	1	1	1
77	9006022-1	SCR, PHL PAN HD #6-32 x .38 LG	4	4	4	4
78	9006036-1	SCR, PHL PAN HD #8-32 x .31	6	6	6	6
79	9007084	CABLE CLAMP	1	1	1	1
80	D-MD-7414044-0-0	SIDE RAIL (L.H.)	1	1	1	1
81	D-MD-7414045-0-0	SIDE RAIL (R.H.)	1	1	1	1
82	9009151	1/4 TURN RECEPTACLES	2	2	2	2
83	9007017	GROMMET	4	4	4	4
84	9007649	WASHER, EXT. TOOTH LOCK #6	4	4	4	4
85	9006653	WASHER FLAT #6	4	4	4	4
86	9006560	NUT KEPS #6-32	2	2	2	2
87	9008200	RETAINER	2	2	2	2
88	9009146	WASHER, NYLON	2	2	2	2

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV	ECO NO.
CABINET ASSY W/POWER SUPPLY	E-AD-7013841-0-0	A	PL	7013841-0-0		

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY VARIATION							
PARTS LIST		CHECKED <i>B. H. Gray</i>	SECTION <i>1</i>	7013841-0	7013841-1	7013841-2	7013841-3				
MADE BY <i>M. Passarelli</i>	DATE <i>2 FEB 77</i>	CHECKED <i>B. H. Gray</i>	SECTION <i>1</i>	7013841-0	7013841-1	7013841-2	7013841-3				
ENG <i>D. Richmond</i>	DATE <i>20 MAR 77</i>	PROD <i>M. Dulcean</i>	ISSUED SECT. <i>1</i>	7013841-0	7013841-1	7013841-2	7013841-3				
ITEM NO.	DWG NO./PART NO.	DESCRIPTION		2	2	2	2				
89	9008343	1/4 TURN FASTENER		2	2	2	2				
90	9006020-1	SCR, PHL PAN HD #G-32 X 1		2	2	2	2				
91	C-AD-7010001-15-0	JUMPER		1	1	1	1				
92	BC05C-09	EIA INTERFACE CABLE		1	1	1	1				
93	BC05L-0C	CABLE, JUMPER		1	1	1	1				
94	D-IA-7010964-3-0	AC HARNESS (230V)		-	1	-	1				
95	E-IA-7013916-0-0	CONTROL HARNESS		1	1	1	1				
96	C-IA-7414041-0-0	BRACKET, HINGE (R.H.)		1	1	1	1				
97	C-IA-7414041-1-0	BRACKET, HINGE (L.H.)		1	1	1	1				
98	7010001-5-0	JUMPER, GROUNDING		1	1	1	1				
99	9006636	WASHER, LOCK INT TOOTH #12		16	16	16	16				
100	9006070-1	SCR, PHL PAN HD #10-32 X .31		8	8	8	8				
101	9008341	CLIP, HARNESS		1	1	1	1				
TITLE CABINET ASSY W/POWER SUPPLY		ASSY NO. E-AD-7013841-0-0	SIZE A	CODE PL	NUMBER 7013841-0-0			REV	ECO NO.		
SHEET 5 OF 5		DIST									

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NOTES: SEE DETAIL A

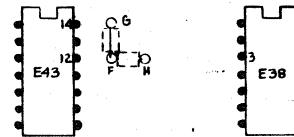


	12	24	1
74175	8	16	
74161	8	16	
74123	8	16	
7489	8	16	
74150	12	24	
74190	8	16	
7442	8	16	
74193	8	16	
74154	12	24	
2101-2	8	22	
8640	1	8	
7493A	10	5	
1702A	12,22,23		16,24
LM301A		7	4
2627	12	24	1
2626	12	24	1
IC TYPE	GND	+5V	+12V -12V -9V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE			
IC PIN LOCATIONS			

88 TYP. 3PLACES

89 TYP. 3PLACES

+5V
C86 TO C91
50 μF
C1 TO C51
.01 μF



DETAIL A
SCALE: NONE

1.41023-00001 P	1.41023-00001 S	1.41023-00001 L	1.41023-00005 K	1.41023-00004 J	1.41023-00003 H	1.41023-00002 F	1.41023-00001 E
J. BITTO 1.41023-00001 P	J. BITTO 1.41023-00001 S	J. BITTO 1.41023-00001 L	A. WILLIAMS 1.41023-00005 K	A. WILLIAMS 1.41023-00004 J	A. WILLIAMS 1.41023-00003 H	A. WILLIAMS 1.41023-00002 F	V. VERLEKAN 1.41023-00001 E
John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	V. Verlekhan 5-15-75
John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	V. Verlekhan 5-15-75
John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	John Carter 2-1-75	V. Verlekhan 5-15-75

FIRST USED ON OPTION MODEL		QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
LA 180		ETCH BOARD REV.	E			
REVISIONS		DRN.	J. EGERT	DATE	3-16-75	
		CHKD.	J. EGERT	DATE	3-16-75	
		ENG.	C. M.	DATE	3-31-75	
		PROJ/ENG.		DATE	JULY 75	
		PROD.		DATE		
		NEXT HIGHER ASSY				
DEC NO.	EIA NO.	DEC NO.	EIA NO.	SCALE	1	OF 9
SEMICONDUCTOR CONVERSION CHART						DIST.

digital

TITLE LA 180
LOGIC BOARD

SIZE CODE DCS 5411023-0-1 REV. 1-5

- NOTE: 1. W2-W7, ARE NOT INSERTED
2. JUMPER WIRES ADDED - 8 PLACES
E2-18 TO E2-19
E8-18 TO E8-19

3. COMPONENTS WITHIN OUTLINE WERE USED ONLY WHEN PROMS' WERE USED ON SERIAL #11303 AND EARLIER.
4. W4 NECESSARY FOR 591 NS CR 1200 BAUD CLOCK TO J3.

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DOS 5411023-0-1

PARTS LIST			
QTY	REF DESIGNATION	DESCRIPTION	PART NO
1	REF	X-Y COORDINATE HOLE LOCATION	K-CO-5411023-0-4
1	REF	ASSY/DRILLING HOLE LAYOUT	E-AH-5411023-0-5
1	REF	MODULE ECO HISTORY	B-MH-5411023-0-6
1		ETCHED CIRCUIT BOARD	5011022-00
4	C79, C80, C81, C100	CAP .39uF 100V 5%	1000010-00
1	C85	CAP .68uF 50V 10%	1010031-06
2	C82, C83	CAP .047uF 100V 10%	1000051-00
6	C92, C94-97, C99	CAP 25uF 25V 10%	1000075-00
57	C1-C51, C71 - C76	CAP .01uF 50V	1001610-00
1	C84	CAP .1uF 100V 10%	1002342-00
2	C77, C78	CAP .005uF 100V 20%	1001765-00
6	C86 - C91	CAP 50uF 25V 10%	1001796-00
2	D1, D35	DIODE D664	1100114-00
2	D33, D34	DIODE INT74A 3.9V 5%	1100122-00
2	D3, D8	DIODE 50051-AE1	1105873-00
1	D5	DIODE D662	1100115-00
3	J1, J2, J3	CONN 40 PIN	1209941-02
2	E1, E2	SOCKET IC 24 PIN	1210693-00
1	E86	EES 51 ~ 1/4W 5%	13019422-00
15	R30-R39, R42, R29, R55-R56, R14	EES 150 1/4W 5%	1300250-00
3	R78, R80, R82	EES 100 1/4W 5%	1300229-00
1	E57	EES 820 1/4W 5%	1301775-00
3	E53, E70, E71	EES 180 1/4W 5%	1301322-00
1	E83	EES 560 1/4W 5%	1301890-00
15	R40-R50, R83, R97, R110, R115	EES 330 1/4W 5%	1300295-00
2	E84, E85	EES 470 1/4W 5%	1300316-00
25	E1-E11, E13-E17, R27, R28, R69, R94, R105, R106, R111, R112, R105	EES 1K 1/4W 5%	1300365-00
1	R87	EES 1.5K 1/4W 5%	1300391-00
5	E81, E88, E90-E92	EES 5.6K 1/4W 5%	1301874-00
2	E53, E56	EES 1K 1/8W 1%	1302748-00
1	E51	EES 47K 1/4W 5%	1302177-00
1	E61	EES 11.5K 1/8W 1%	1302860-00
2	E72, E73	EES 820K 1/4W 10%	1303187-00
2	R62, R63	EES 2.61K 1/4W 1%	1303303-00
2	E76, E77	EES 5.11K 1/4W 1%	1304854-00
			36
2	E74, E75	EES 619 1/4W 1%	1305126-00
1	R58	RES 31.6K 1/8W 1%	1305419-0-0
2	E52, E54	EES 232K 1/8W 1%	1305426-00
6	E64-E69	EES 2K 1/4W 5%	1302388-00
1	R60	EES 16.9K 1/8W 1%	1312618-00
1	E59	EES 24.3K 1/4W 1%	1309418-00
2	G2, G3	TRANS 6534D PNP	1503409-00
9	Q4-Q12	TRANS MPS405 NPN	1510705-00
1	Q1	TRANS 10SCA PNP	1510598-00
1	Y1	CRYSTAL 1.6896 MHZ	1811689-00
11	E18, E20, E23, E25 E26, E29, E35, E50 E51, E59, E55	I.C. 7474	1905547-00
4	E24, E48, E49, E52	I.C. 7400	1905575-00
1	E28	I.C. 7410	1905576-00
1	E70	I.C. 7420	1905577-00
1	E69	I.C. 7421	1905580-00
2	E39, E40	I.C. 7493A	1909054-00

PARTS LIST			
QTY	REF DESIGNATION	DESCRIPTION	PART NO
3	E36, E41, E46	I.C. 8640	1911469-00
6	E31, E33, E47, E72 E75, E27	I.C. 7904	1909686-00
5	E45, E60, E73	I.C. 74154	1909701-00
1	E16	I.C. 7413	1909989-00
5	E12, E14, E62, E64, E67	I.C. 74193	1910018-00
1	E53	I.C. 7442	1910046-00
1	E19	I.C. 74190	1910095-00
2	E56, E30	I.C. 8881	1909705-00
2	E57, E74	I.C. 74150	1910153-00
3	E5, E15, E21	I.C. LM301A	1910282-00
1	E65	I.C. 7489	1910396-00
1	E92	I.C. 74123	1910436-00
2	E34, E44	I.C. 74161	1910650-00
1	E22	I.C. 74175	1910651-00
2	E2, E8	I.C. 2101-2	2112323-00
2	E61, E66	I.C. 1902A PLUNIS	29000044105
1	E38	I.C. 9815	1909713-00
4	E3, E9, E32, E37	I.C. 74197	1910035-00
4	E43, E59, E63, E68	I.C. 7408	1910155-00
1	E1	I.C. MK2626 (UNSLASHED O)	2307146-00
1	E7	I.C. MK2627 (ALPHA SET)	2307046-00
9		SPLIT LUGS	9006735
1		SCREW PPH	9006011-01
2		FASTON TAB	900713-00
1		KEP NUT	9006557-00
2		EYLETS	9009000
9	R98-R104, R109, R107	RES 47K 1/4W 5%	1302177
1	E58	I.C. 7414	1911324
1	E13	I.C. 74180	1910724
1	E10	I.C. 9601	1909373
1	E6	I.C. 7406	1910741
1	C98	CAP 39uF 10V 10%	1000076
7	R20 THRL R26	RES 4.7K 1/4W 5%	1300447-00
5	W1, W4, WB, W11, W12 OR W13	INSULATED JUMPER	9009185
4R		JUMPER, INSULATED	9105740-55
3		LATCH, LEFT	1209941-03
3		LATCH, RIGHT	1209941-04
1	E71	IC MK2611 IP CROM	23088A6

REVISIONS		
CHK	CHANGE NO	REV

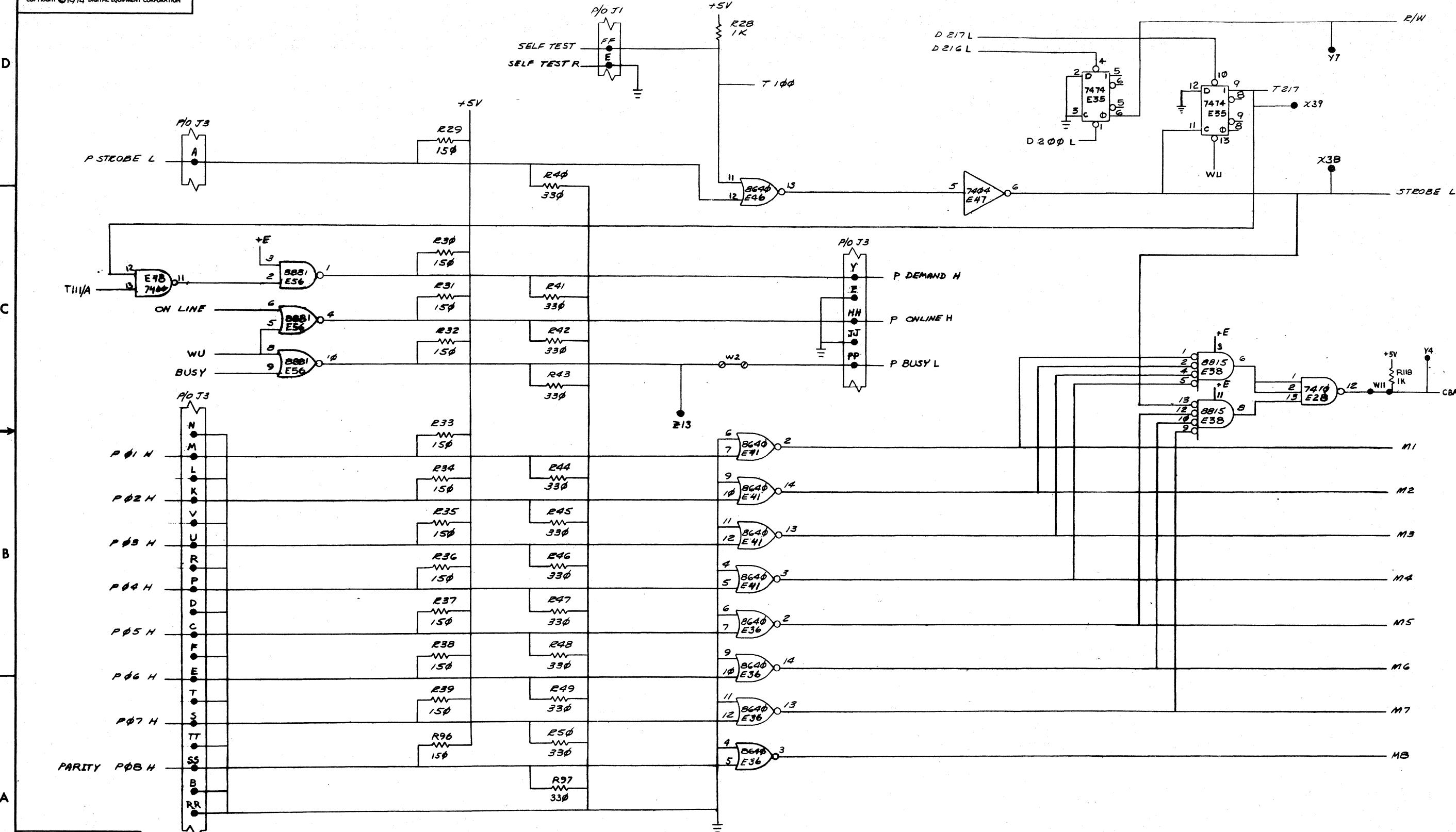
TITLE	LA180 LOGIC BOARD	SIZE CODE	NUMBER
SCALE	↔	SHEET 2 OF 9	DIST.
CHG	5411023-0-1	REV.	S'

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2 DCS 5411023 - 0-1 REV. J/S

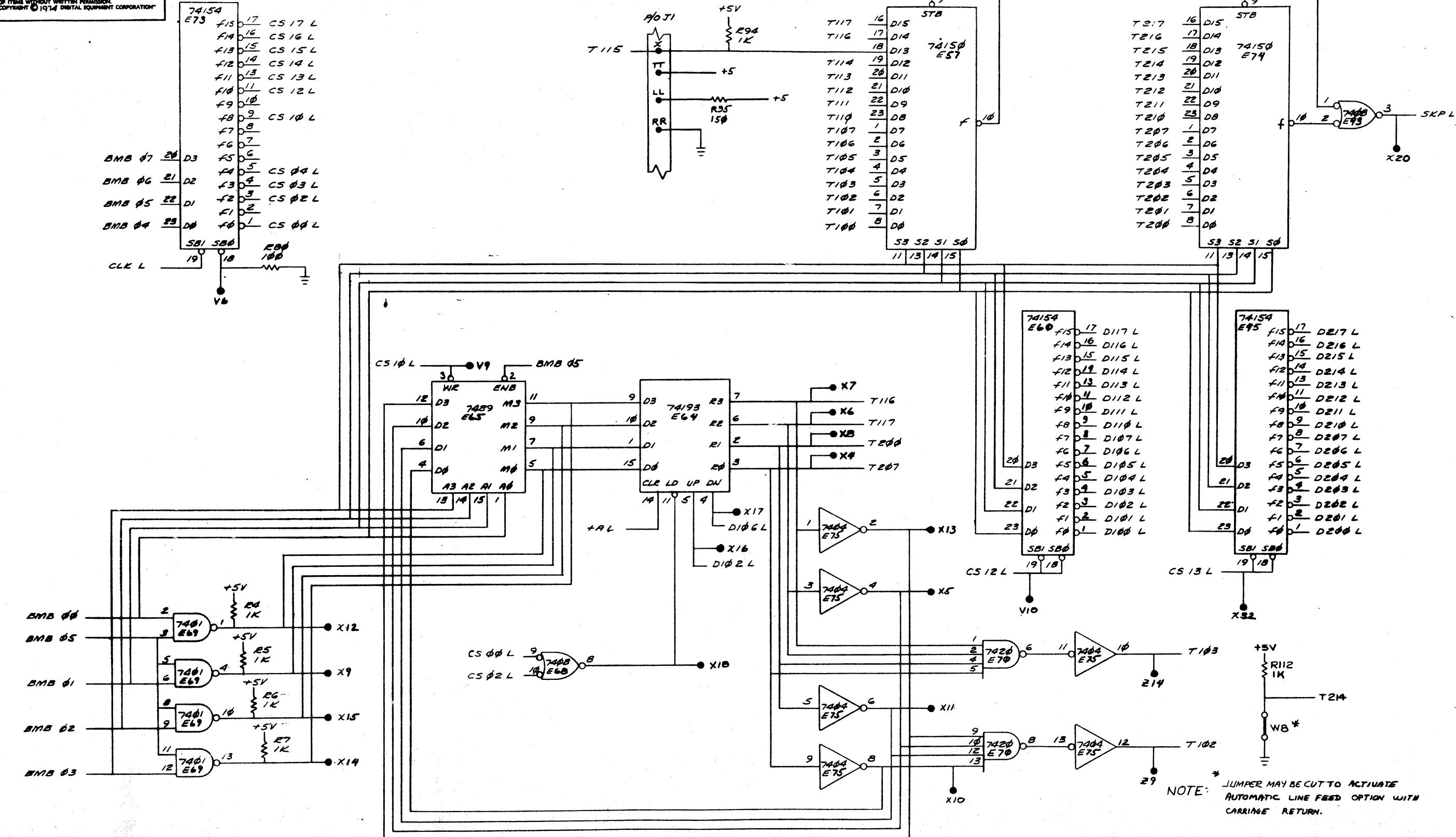
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NUMBER DCS 5411023 - 0-1 REV. J/S



REVISIONS		
CHK	CHANGE NO.	REV.

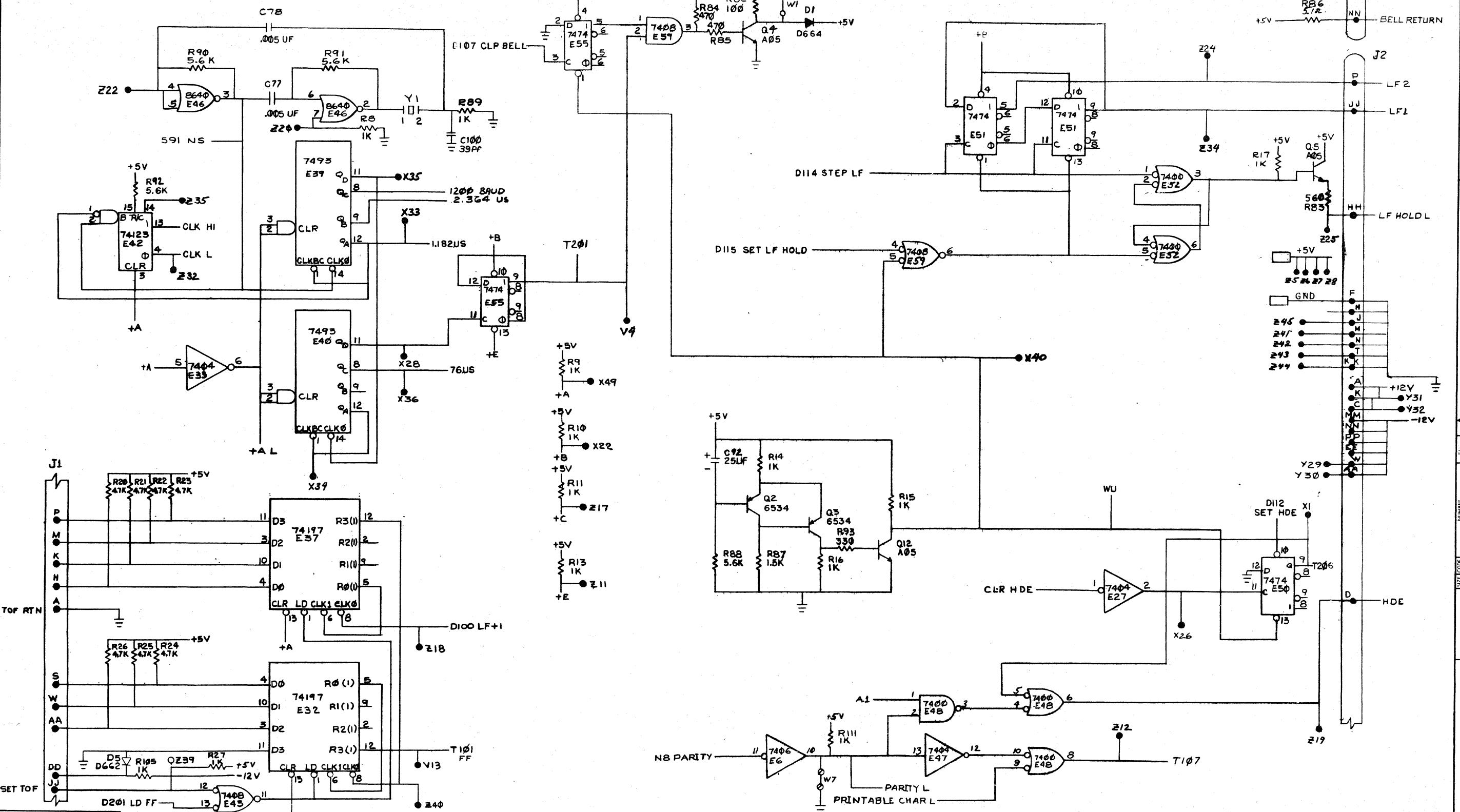
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NOTES

1.* INDICATES JUMPER MAY BE CUT
TO LOWER VOLUME.



REVISIONS
CHK CHANGE NO REV
8

DEC FORM NO.
GPO 128

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1

TITLE LA180 LOGIC BOARD
SCALE SHEET 5 OF 9 DIST. 1

SIZE CODE DCS 5411023-0-1 REV. S

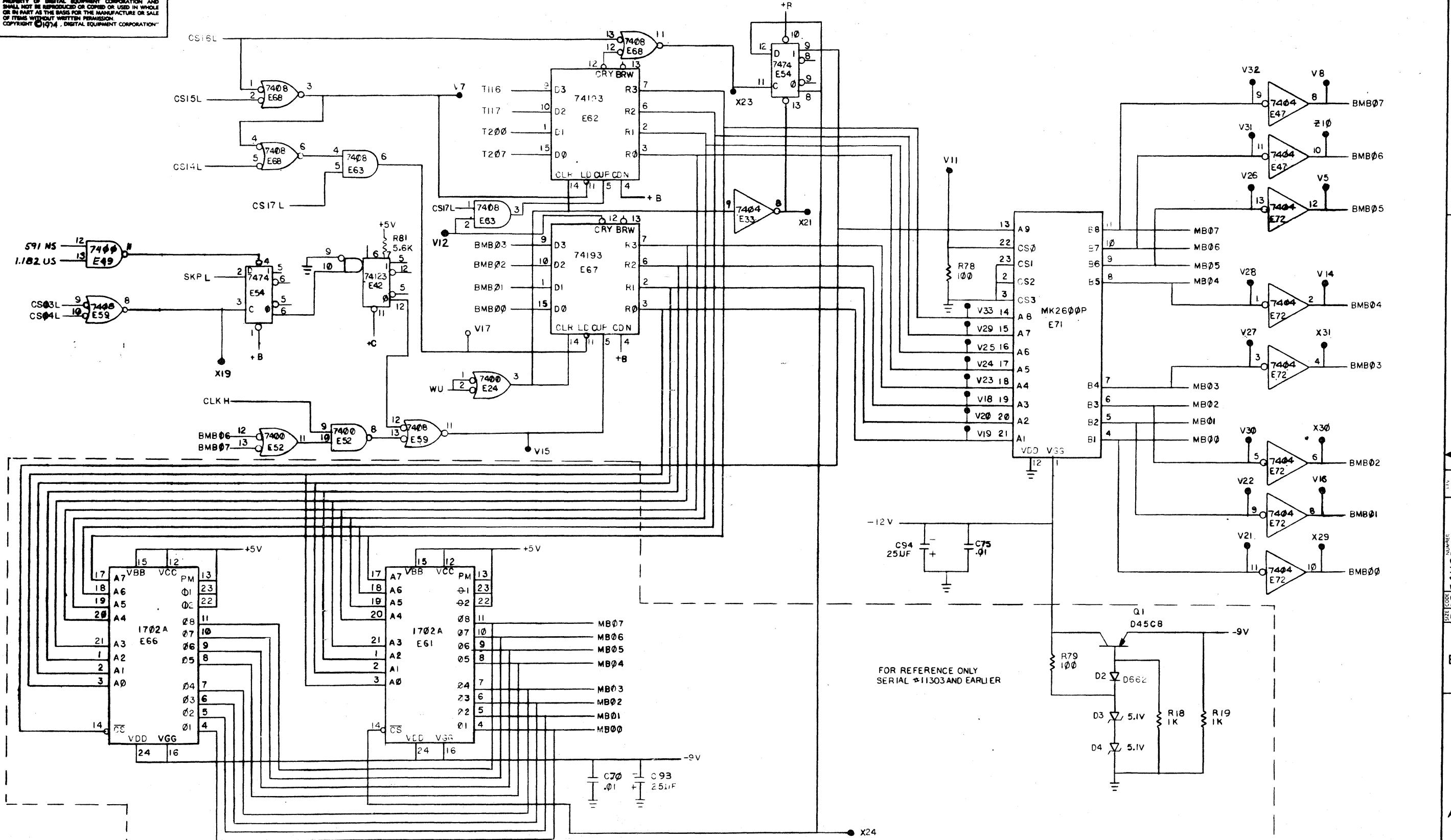
SIZE CODE DCS 5411023-0-1

B

A

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8 7 6 5 4 3 2 1



REVISIONS		
CHK	CHANGE NO.	REV.

DEC FORM NO. 120-124
DRAFTED 12/14/73

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TITLE
LA180 LOGIC BOARD

SIZE CODE
D CS 5411023-0-1

SIZE CODE NUMBER
D CS 5411023-0-1

B

A

D

C

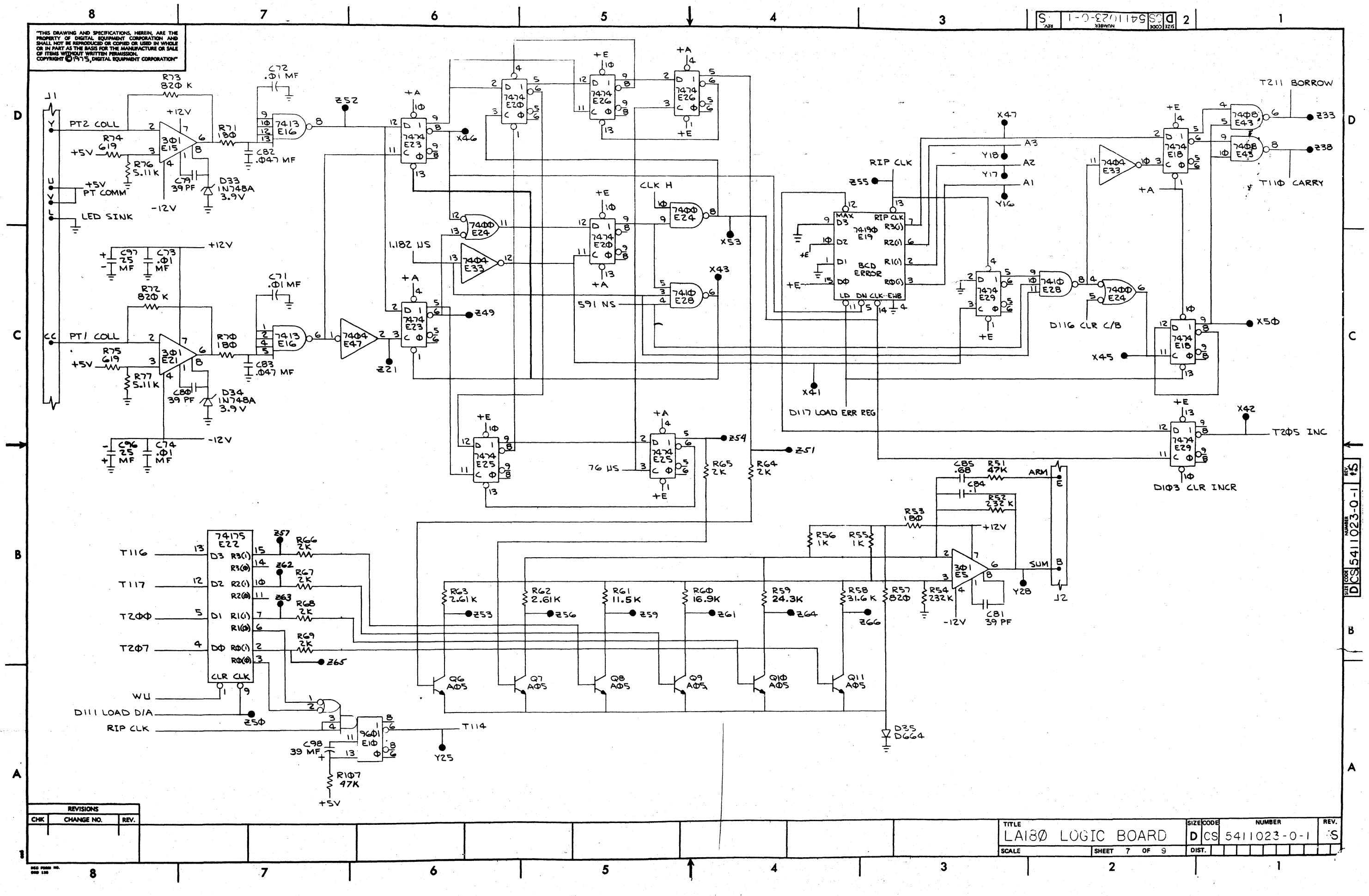
UV

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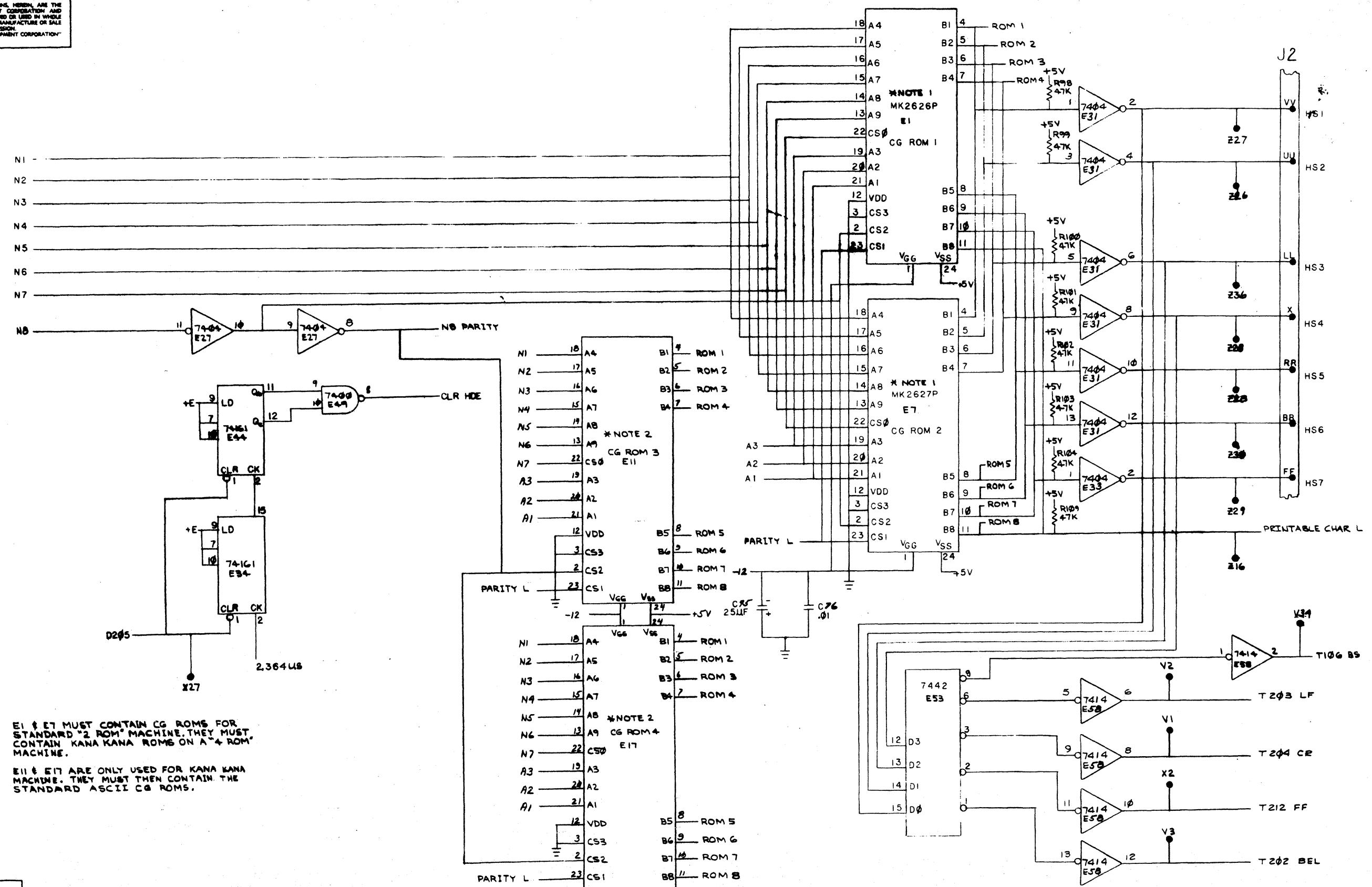
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A

S



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REVISIONS		
CHK	CHANGE NO.	REV.

* NOTE ! EI \$ E7 MUST CONTAIN CG ROMS FOR STANDARD "2 ROM" MACHINE. THEY MUST CONTAIN KANA KANA ROMS ON A "4 ROM" MACHINE.

* NOTE 2 EII & EIT ARE ONLY USED FOR KANA KANA MACHINE. THEY MUST THEN CONTAIN THE STANDARD ASCII CG ROMS.

PARITY L 23 CSI BB // ROM

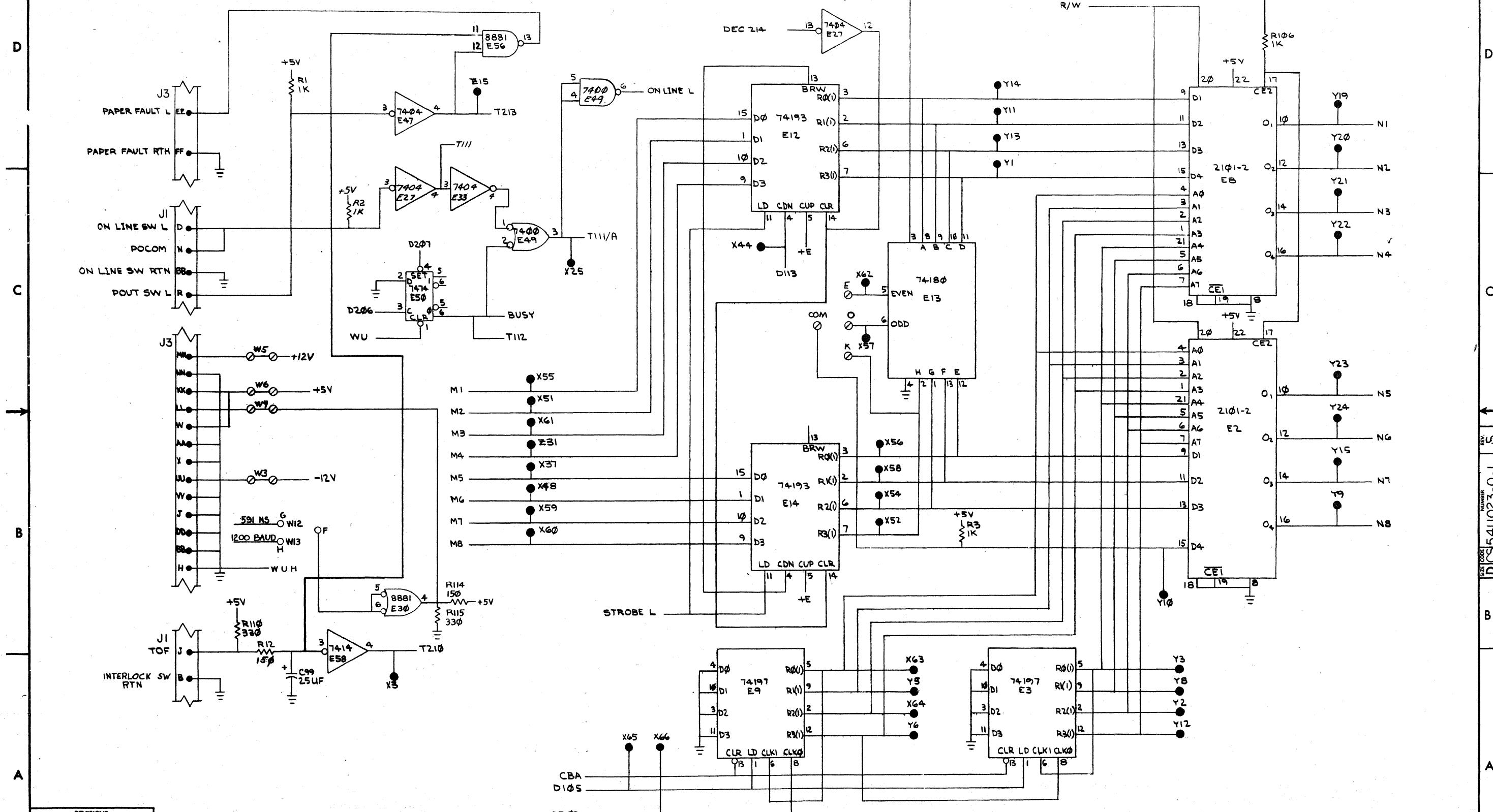
TITLE

LA180 LOGIC BOARD

SIZE	CODE	NUMBER
D	CS	5411023-0-1

1

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REVISIONS

CHK	CHANGE NO.	REV

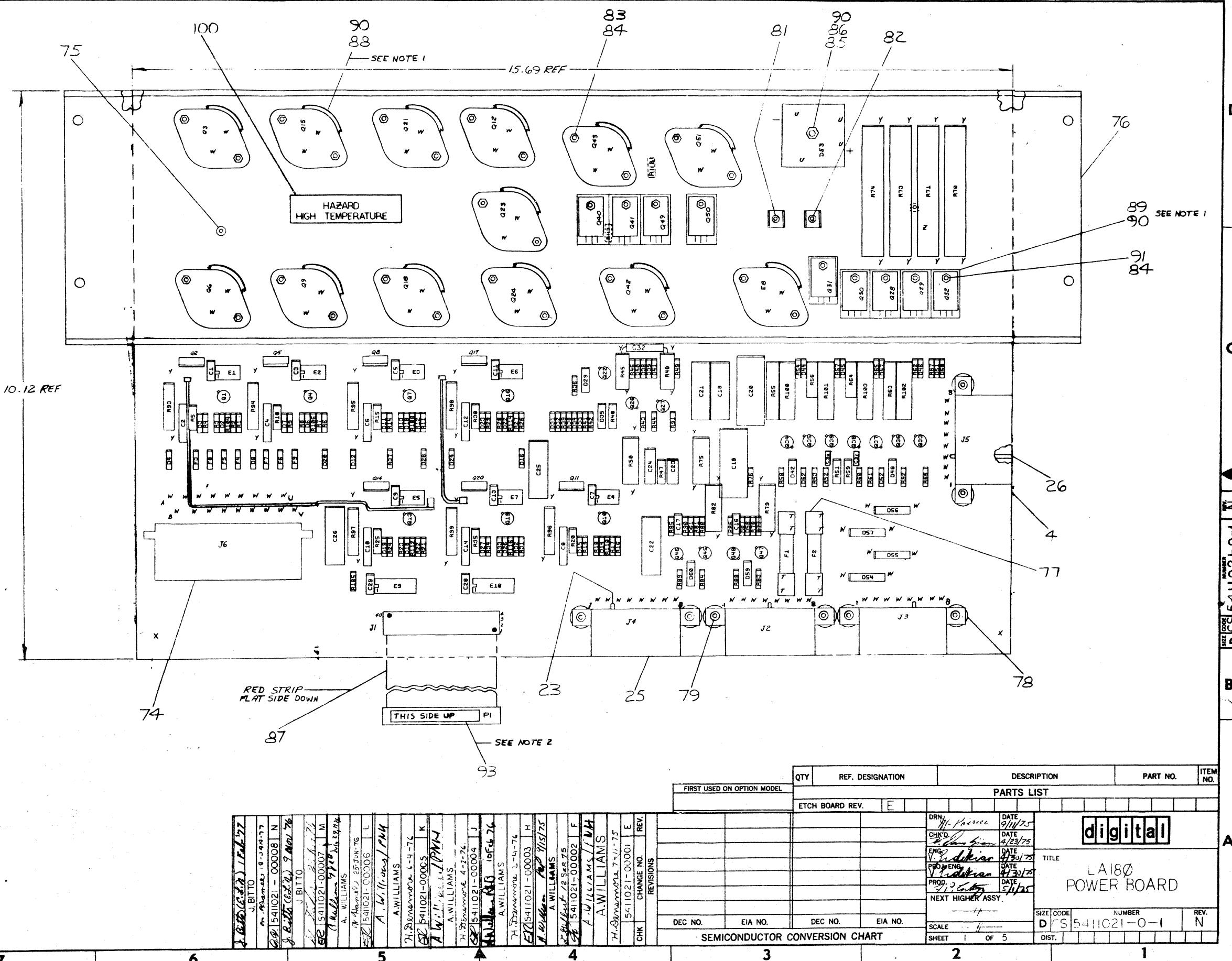
TITLE	LA180 LOGIC BOARD	SIZE	COD
		D	CS

NUMBER
5411023-0-1

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NOTES:

1. COMPOUND (ITEM 90) TO BE USED ON BOTH SIDES OF ALL INSULATORS (ITEMS 88 & 89) AND D53.
2. "THIS SIDE UP" STICKER TO BE INSTALLED ON CABLE CONNECTOR J1 AS SHOWN.
3. CONNECTORS:
J1 - J1 LOGIC
J2 - FILTER CAPS
J3 - LINE VOLTAGE
J4 - CARRIAGE MOTOR
J5 - LINE FEED MOTOR
J6 - HEAD CABLE



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PARTS LIST					
QTY	REF DESIGNATIONS	DESCRIPTION	PART NO	ITEM NO	
1	REF	X-YCOORDINATE HOLE LOCATION	K-CO-5411021-0-4	1	
1	REF	ASSY/DRILLING HOLE LAYOUT	E-AN-5411021-0-5	2	
1	REF	MODULE ECO HISTORY	B-MH-5411021-0-6	3	
1		ETCHED CIRCUIT BOARD	5011020	4	
3	C18, C21, C22	CAP 25UF, 25V, 10% +75% AL.EL.	1000075-00	5	
6	C16, C17, C28, C29-C31	CAP .01UF, 100V 20%	DISC	1001610-01	6
1	C19	CAP .22UF, 10V, 10% MYLAR	1000037-00	7	
1	C20	CAP 190UF, 12V, 20% AL.EL.	1009933-00	8	
2	C25, C26	CAP 204UF, 50V, 10% +75% AL.EL.	1002839-00	9	
1	C24	CAP 1.5UF, 35V, 10% S.TANT	1009725-00	10	
7	C1,C3, C5, C7, C9, C11, C13	CAP 15PF, 100V, 5% D.M.	1002427-00	11	
8	C2,C4,C6,C8,C10,C12,C14,C32	CAP .1UF, 100V, 20% DISC	1000030-00	12	
1	C23	CAP .33UF, 20V, 10% S.TANT	1005328-00	13	
22	D2, D3, D6, D7, D10, D11, D14, D15, D18, D19, D26, D27, D22, D23, D28, D40, D41, D39, D52, D61, D58, D62	DIODE D664	1100114-00	17	
2	D31, D33	DIODE IN4744	1105648-00	15	
13	D9, D8, D12, D16, D20, D28, D46, D47, D49, D45, D50, D51, D24	DIODE IN4004	1105796-00	16	
4	D54 THRU D57	DIODE IN4721	1110182-00	17	
1	D53	DIODE BRIDGE 21V	1110714-00	18	
4	D29, D35, D59, D60	DIODE .4M 5.1A ± 5.1V, 1% ZENER	1105873-00	19	
2	D32, D34	DIODE IN4733	1110488-00	20	
1	D30	DIODE IN4734	1104860-00	21	
2	D42, D48	DIODE IN748A	1100122-00	22	
4		KEYING PLUG, MATE-N-LOK	1211595-00	23	
				24	
4	J2, J3, J4, J5	CONN MATE-N-LOK 8 SKT	1209340-00	25	
28		SOCKET PC, MATE-N-LOK	1209456-01	26	
2	R52, R60	RES 2K, 1/4W, 5%	1302388-00	27	
1	R47	RES 39, 1/2W, 5%	1302336-00	28	
7	R93 THRU R99	RES 1.2, 3W, 5%	W.W. 1312547-00	29	
4	R100 THRU R103	RES 4, 5W, 5%	W.W. 1311624-00	30	
1	R67	RES 100, 1/4W, 5%	1300229-00	31	
1	R76	RES 18, 1/4W, 5%	1302124-00	32	
2	R73, R74	RES 100, 10W, 5%	W.W. 1310597-00	33	
7	R5, R10, R15, R20, R25, R30, R35	RES 100, 1/2W, 5%	1300228-00	34	
5	R44, R58, R92, R108, R112	RES 1.5K, 1/4W, 5%	1300391-00	35	
1	R84	RES 220, 1/4W, 5%	1300271-00	36	
2	R56, R64	RES 150, 2W, 5%	W.W. 1305524-00	37	
2	R55, R63	RES 150, 5W, 5%	W.W. 1301898-00	38	
1	R83	RES 270, 1/4W, 5%	1301972-00	39	
1	R50	RES 390, 2W, 5%	1301864-00	40	
1	R75	RES 270, 2W, 10%	1300288-00	41	
1	R82	RES 300, 2W, 5%	1309855-00	42	
2	R78, R81	RES 390, 1/4W, 5%	1300309-00	43	
1	R79	RES 470, 2W, 5%	1303062-00	44	
2	R85, R86	RES 150, 1/4W, 5%	1300250-00	45	
2	R51, R59	RES 300, 1/2W, 5%	1300291-00	46	
9	R43, R49, R14, R15, R29, R34, R105	RES 1K, 1/4W, 5%	1300365-00	47	

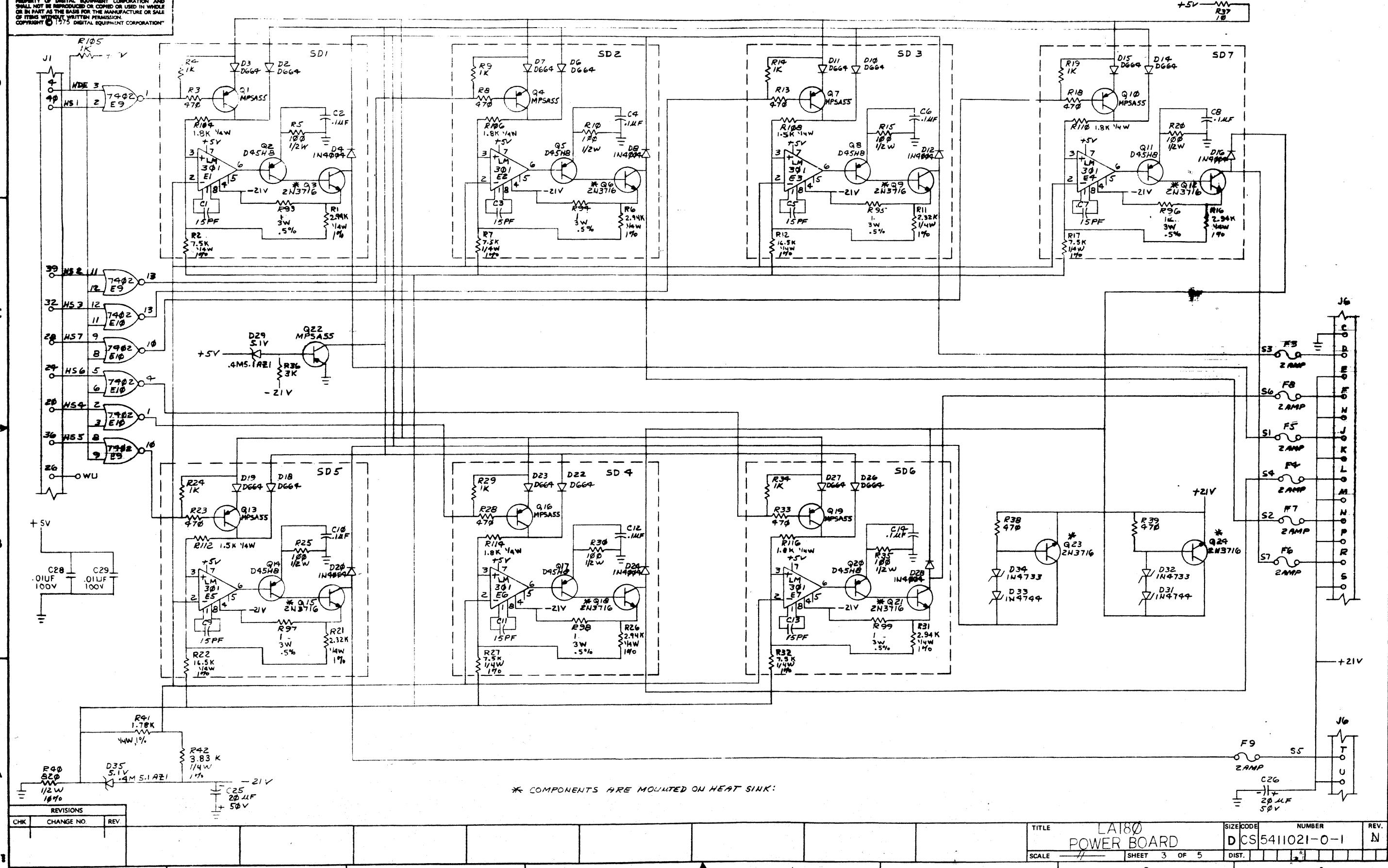
PARTS LIST				
QTY	REF DESIGNATIONS	DESCRIPTION	PART NO	ITEM NO
2	R45, R98	RES 560, 1W, 5%	1303048-00	48
3	R77, R80, R91	RES 3.9K, 1/4W, 5%	1300444-00	49
2	R40, R99	RES 4.7K, 1/4W, 5%	1300447-00	50
3	R53, R61, R66	RES 10K, 1/4W, 5%	1300479-00	51
2	R88, R89	RES 4.64, 1/4W, 1%	1303047-00	52
2	R87, R90	RES 619, 1/4W, 1%	1305126-00	53
15	R3, R8, R13, R18, R23, R33, R38, R28, R39, R46, R49, R54, R57, R62	RES 470, 1/4W, 5%	1300316-00	54
1	R40	RES 820, 1/2W, 10%	1300356-00	55
1	R36	RES 3K, 1/4W, 5%	1300432-00	56
5	R2, R7, R17, R27, R32	RES 7.5K, 1/4W, 1%	1305322-00	57
1	R41	RES 1.78K, 1/4W, 1%	1302612-00	58
5	R1, R6, R16, R26, R31	RES 2.94K, 1/4W, 1%	1301981-00	59
1	R42	RES 3.83K, 1/4W, 1%	1309413-00	60
2	R11, R21	RES 2.32K, 1/4W, 1%	1312545-00	61
9	Q3, Q6, Q9, Q12, Q15, Q18, Q23, Q24, Q21	TRANS ZN371G	1503069-00	62
2	Q42, Q43	TRANS 3715	1503068-00	63
1	Q51	TRANS ZN3791	1509581-00	64
2	Q38, Q39	TRANS 6531B	1509338-00	65
6	Q26, Q36, Q37, Q47, Q48, Q33	TRANS MPS A05	1510705-00	66
13	Q37, Q35, Q1, Q4, Q7, Q10, Q13, Q16, Q19, Q27, Q22, Q45, Q46	TRANS MPS A55	1510706-00	67
5	Q41, Q28, Q30, Q49, Q32	TRANS TIP31A	1512590-00	68
4	Q40, Q29, Q31, Q50	TRANS TIP32A	1512589-00	69
7	Q2, Q5, Q8, Q11, Q18, Q17, Q20	TRANS D45HB	1510708-00	70
2	E9, E10	IC 7902	1909004-00	71
1	E8	IC LM309K REGULATOR	1910460-00	72
7	E1 THRU E7	IC LM301A OP AMP	1910282-00	73
1	J6	H802 18 PIN (MODIFIED)	5510831-00	74
2		RIVET, POP	9006960-00	75
1		HEAT SINK	7413424-00	76
4		FUSE CLIP	9009513-01	77
8		WASHER (MATE-N-LOK STANDOFF)	9006693-00	78
8		EYELET	9006732-00	79
2	F1, F2	FUSE 3 AMP SLO BLO	9007218-00	80
2		FASTON TAB	9007113-00	81
2		EYELET	9009000-00	82
26		SCREW PPH 9-40X1/2	9006013-01	83
35		NUT, KEP 4-40	9006557-00	84
1		SCREW, PPH 6-32 X15/16	9007838-01	85
1		NUT, KEP 6-32	9006560-00	86
1		CABLE, POWER BOARD	C-AD-7010363-1	87
13		INSULATOR, TO-3	9006721-00	88
19		INSULATOR	9009597-00	89
AIR		COMPOUND, THERMAL JOINT	9008268-00	90
9		SCREW PPH 9-40 X 7/16	9006012-01	91
7	F3 THRU F9	FUSE, PICO, 2 AMP	1211751-00	92
1		LABEL	3611567-00	93
5	R104, R106, R110, R114, R116	RES 1.8K, 1/4W, 5%	1300398-00	94
2	R12, R22	RES 16.5K, 1/4W, 1%	1312546-00	95
14"	WIRE	WIRE, AWG 14, GREEN	9107370-55	96
2	R70, R71	RES 60, 10W, 5%	1312997	97

PARTS LIST				
QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	R37	RES 10, 1/4W, 5%	1301317-00	98
2	R117, R118	RES 100, 1/4W, 5%	1310881-03	99
1		LABEL, ADHESIVE BACKED, PRINTED	3613307-0-0	100

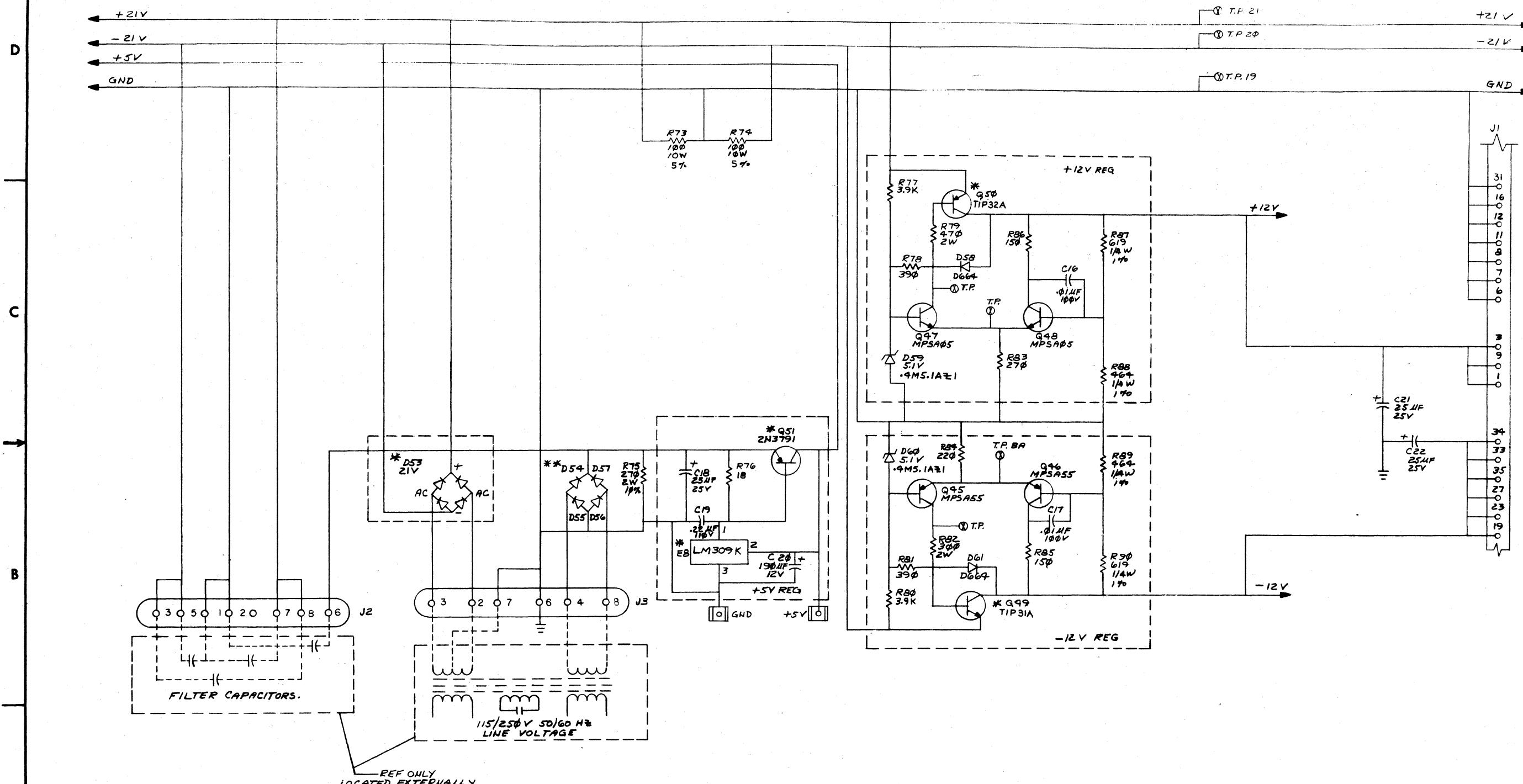
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CHK	CHANGE NO.	REV.
1		

DEC FORM NO
DOD 137

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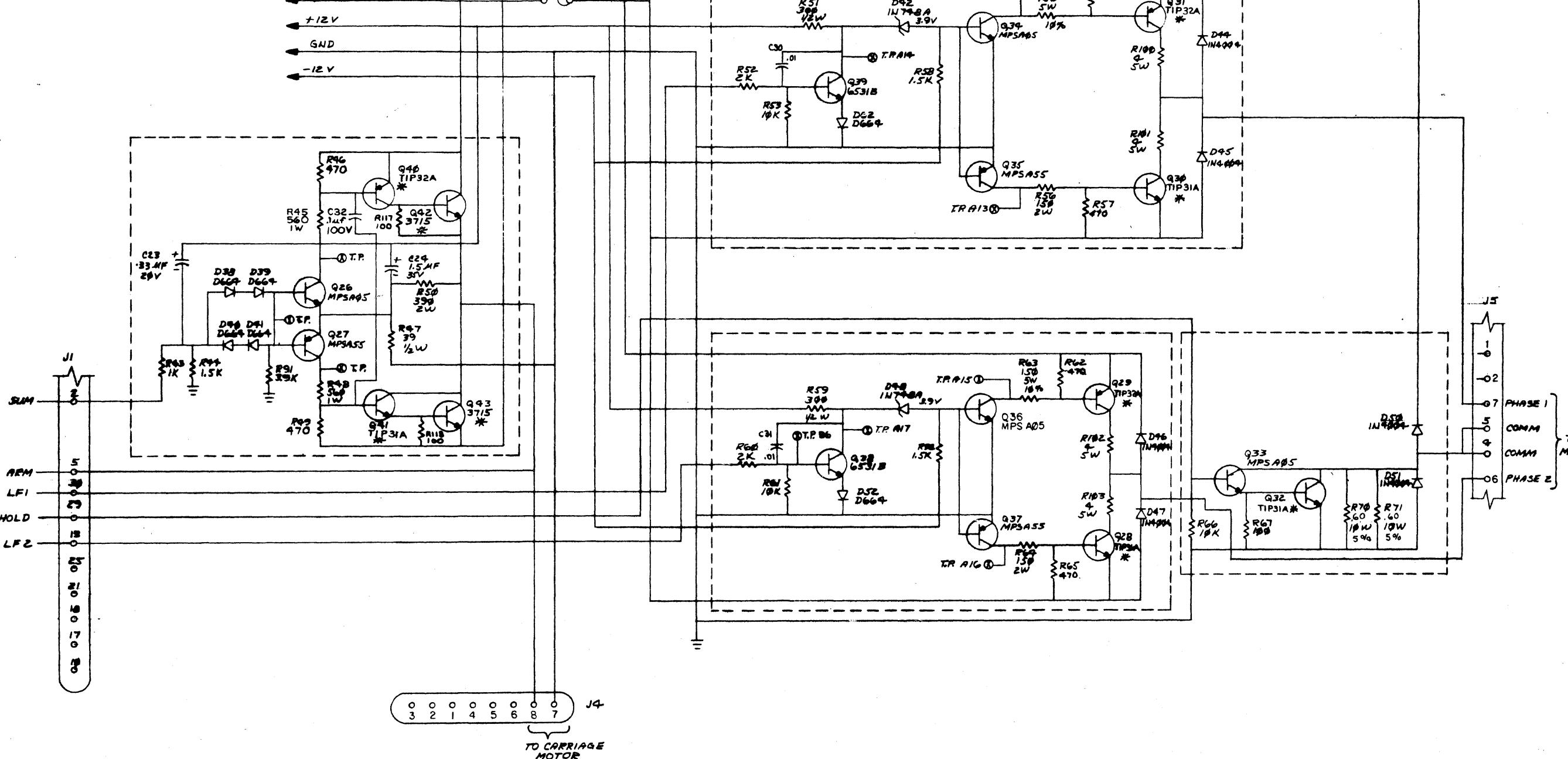
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CHK	CHANGE NO.	REV.
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DECEMBER 1975 DIGITAL EQUIPMENT CORPORATION"

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3A 5B



* COMPONENTS ARE MOUNTED ON HEAT SINK.

REVISIONS		
CHK	CHANGE NO.	REV.

880 FORM NO.
880-104

8

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TITLE
LA180
POWER BOARD

SIZE CODE
DCS5411021-0-1
NUMBER
N
REV.

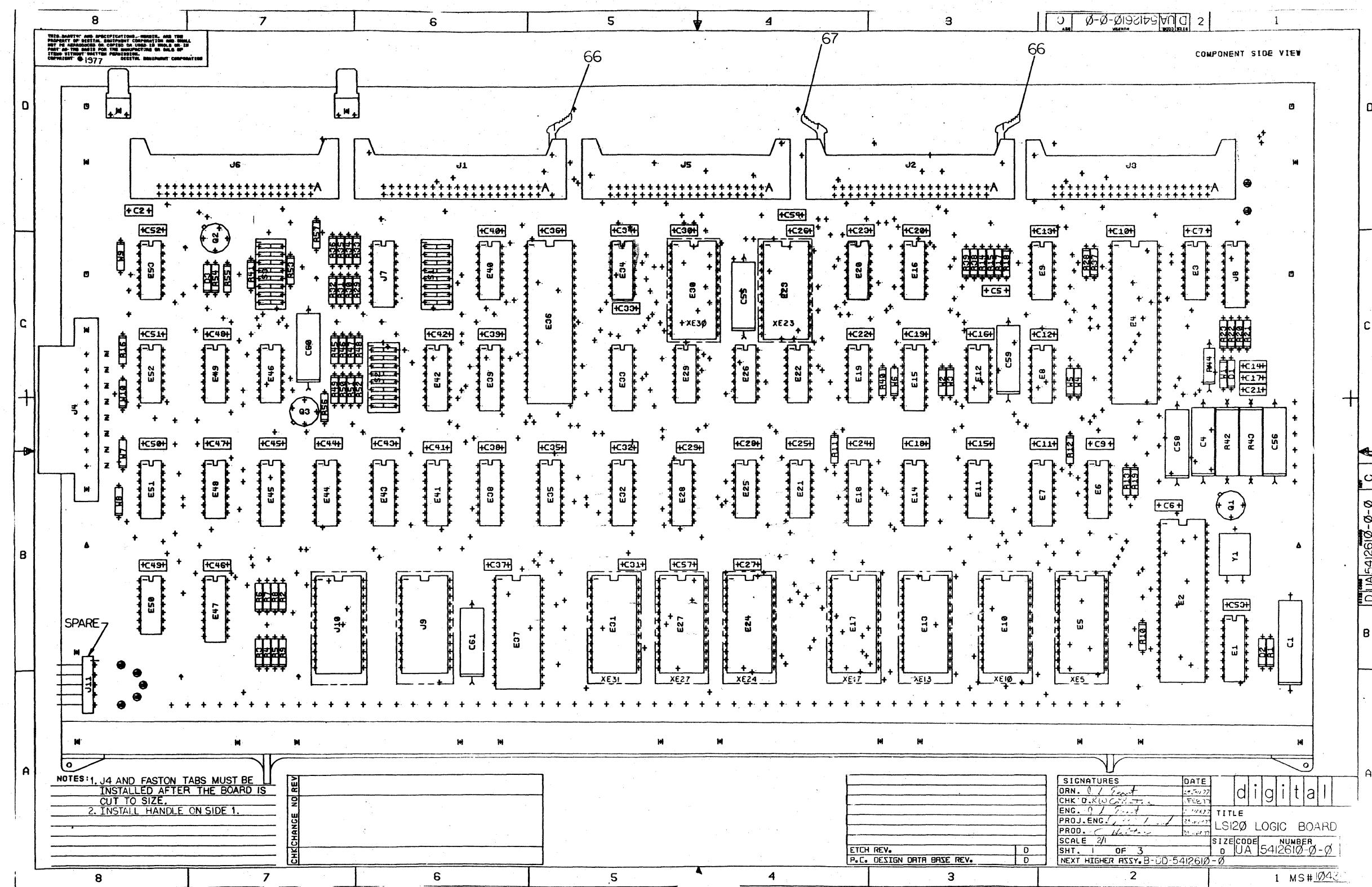
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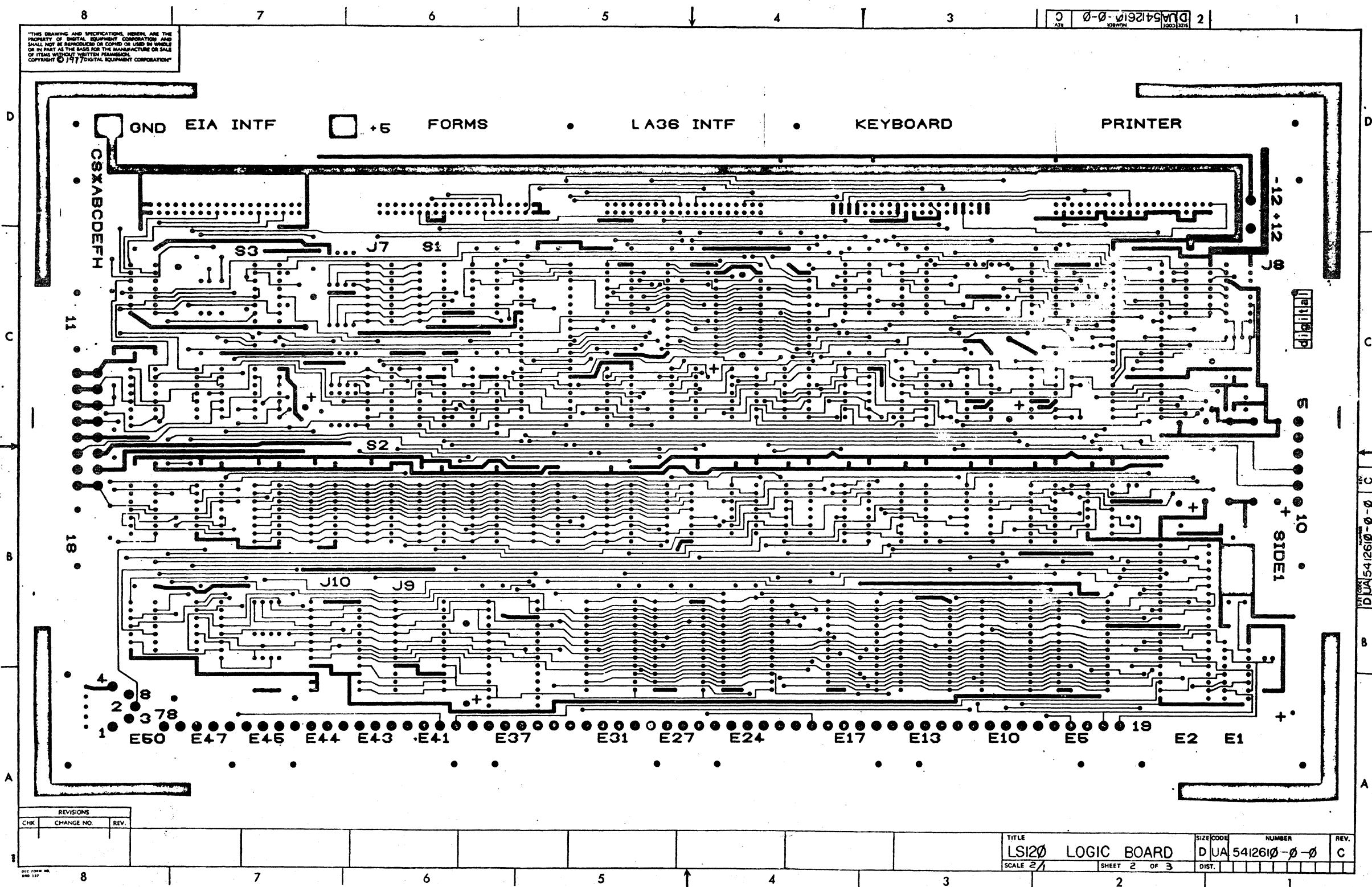
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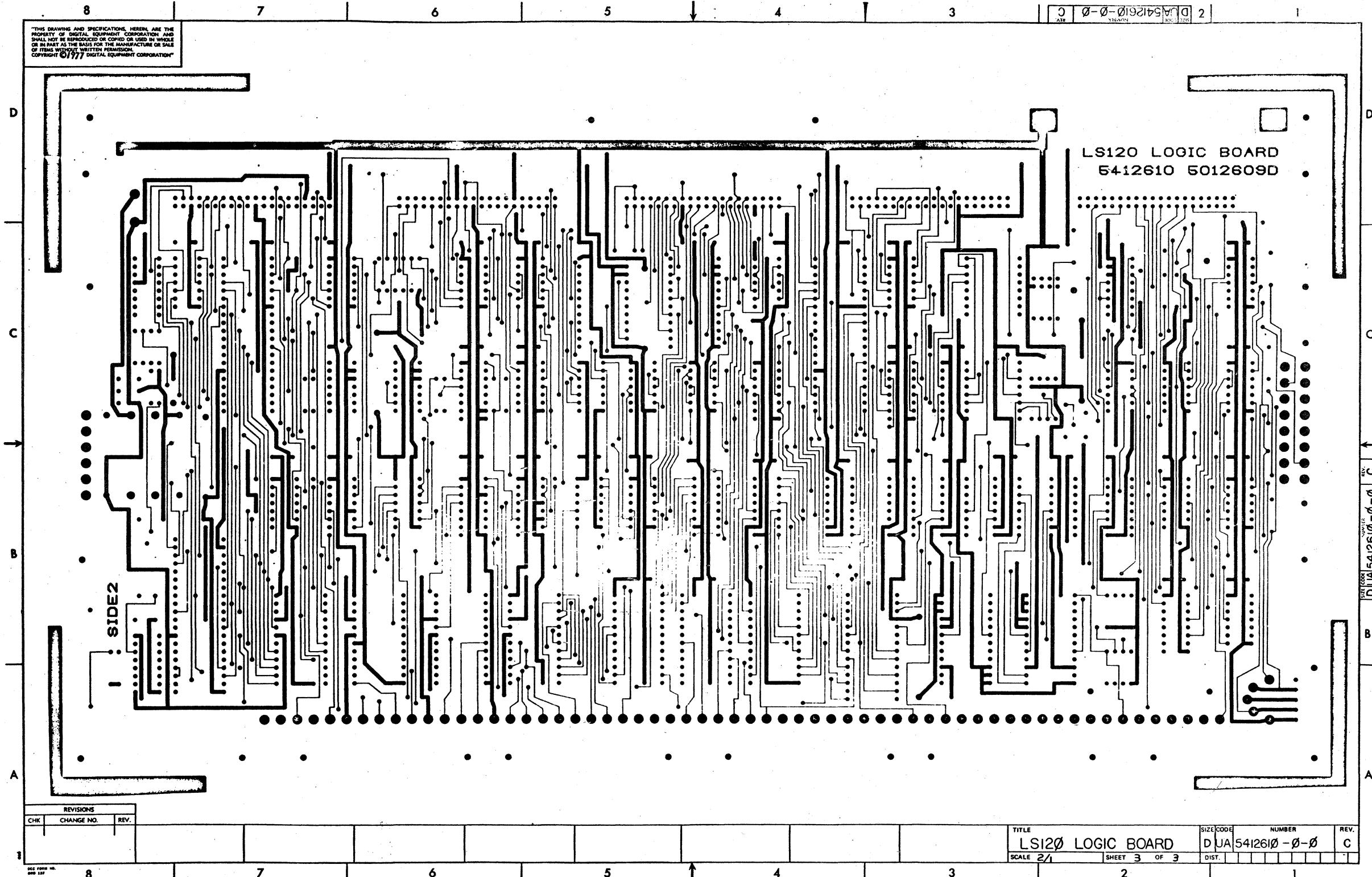
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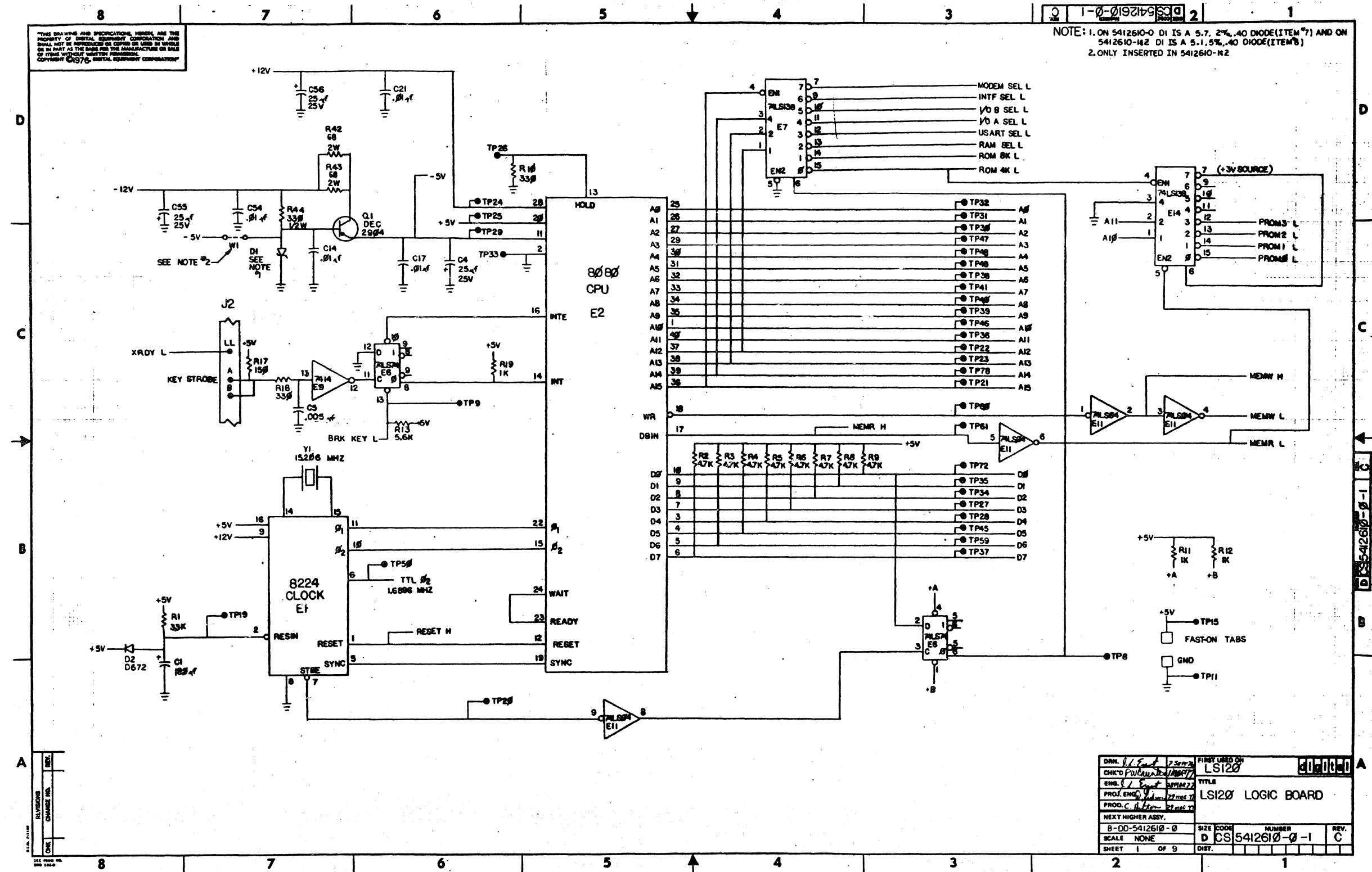
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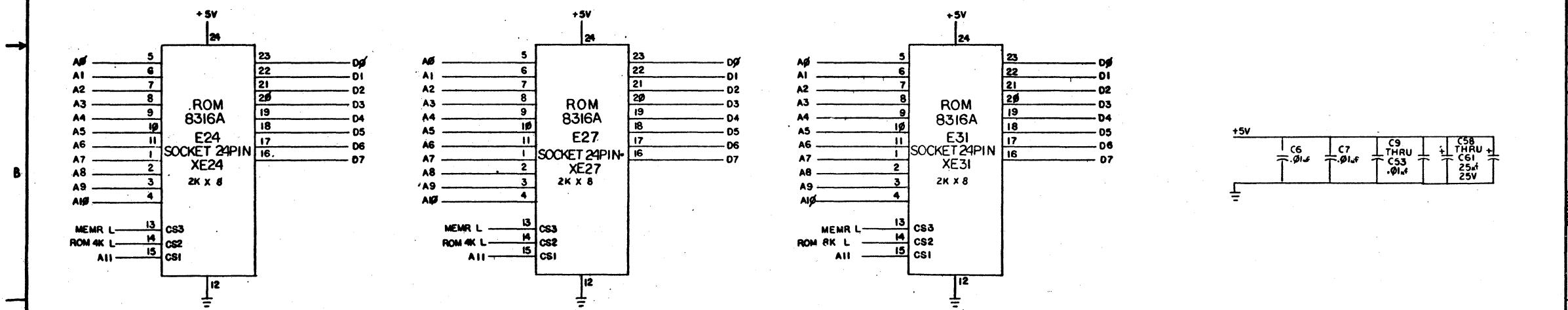
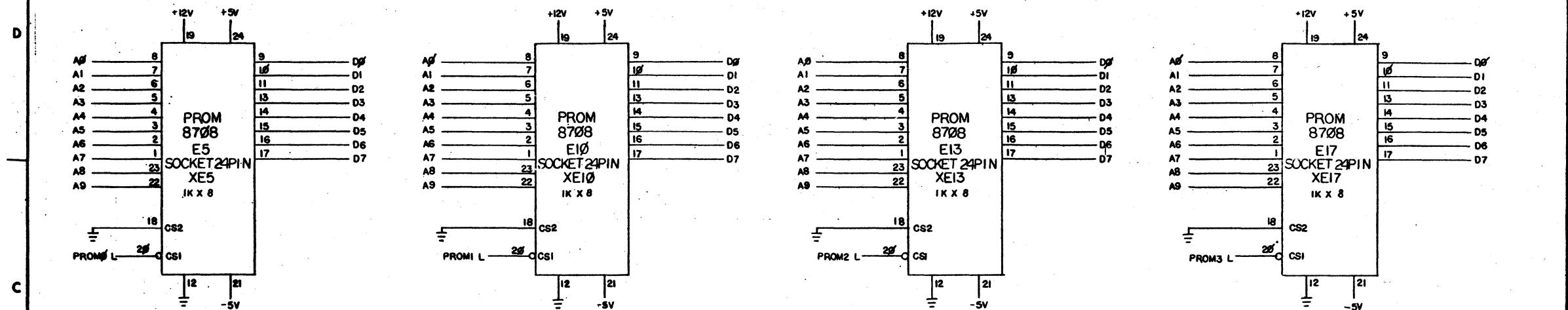








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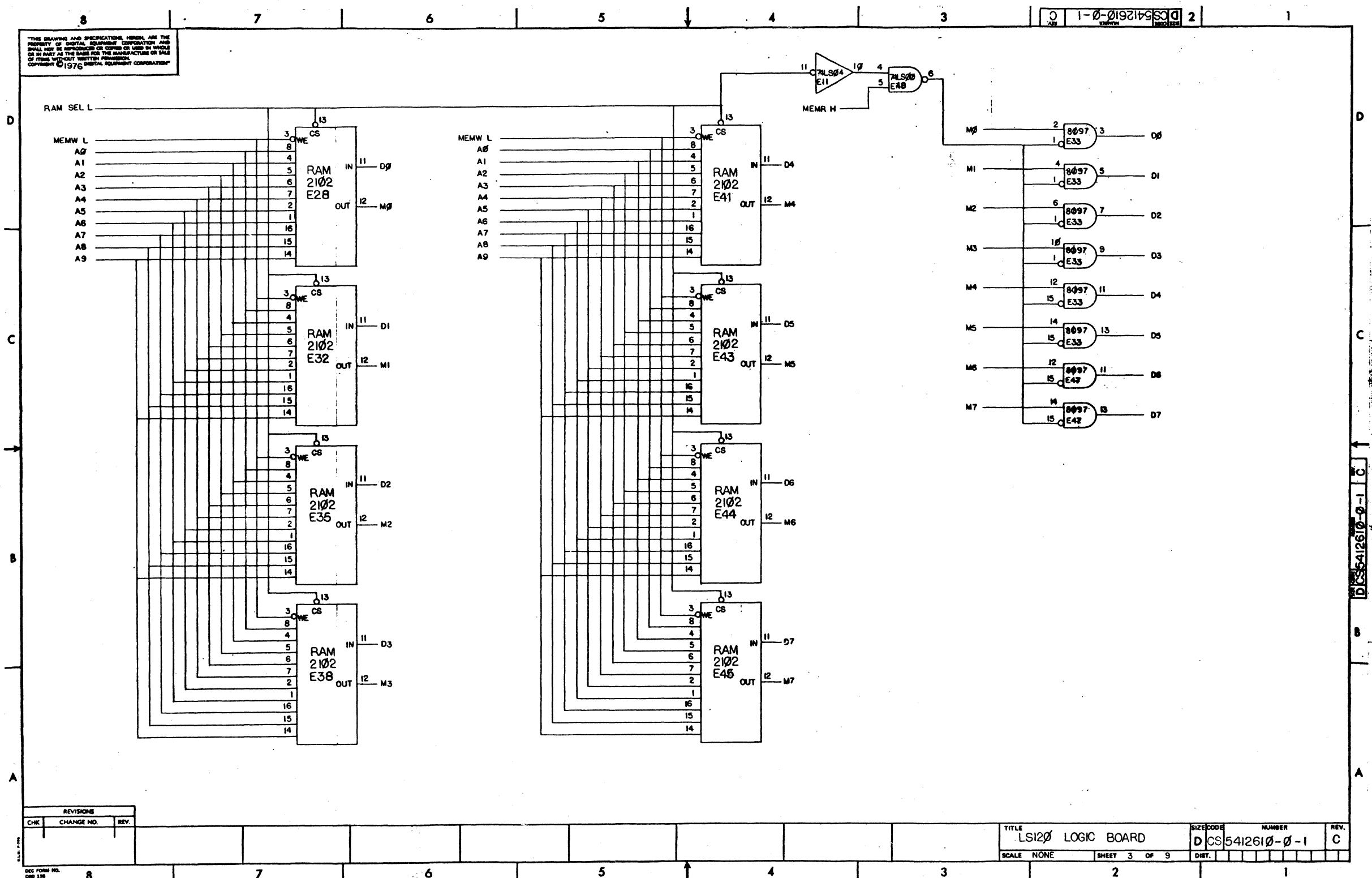
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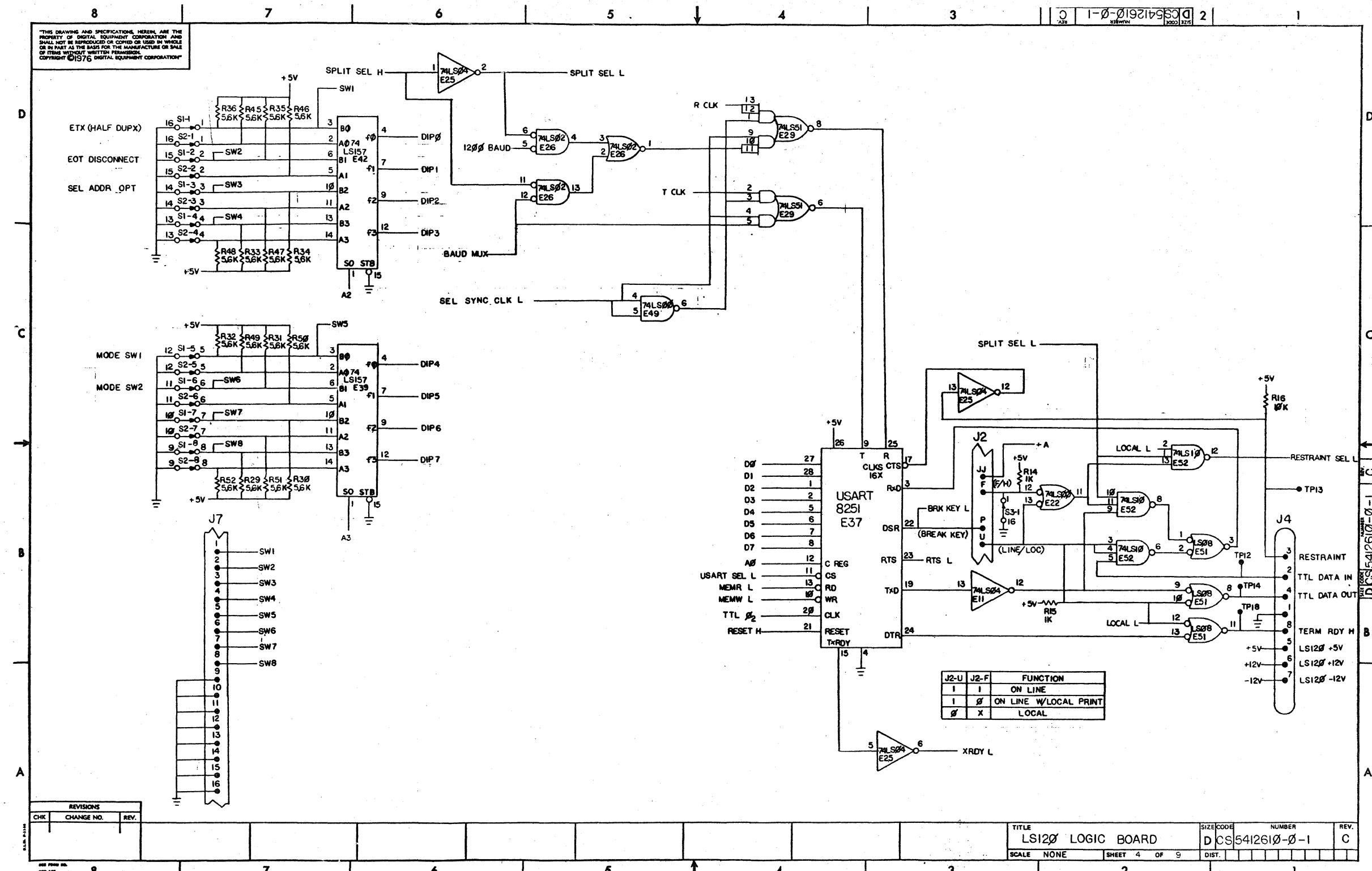
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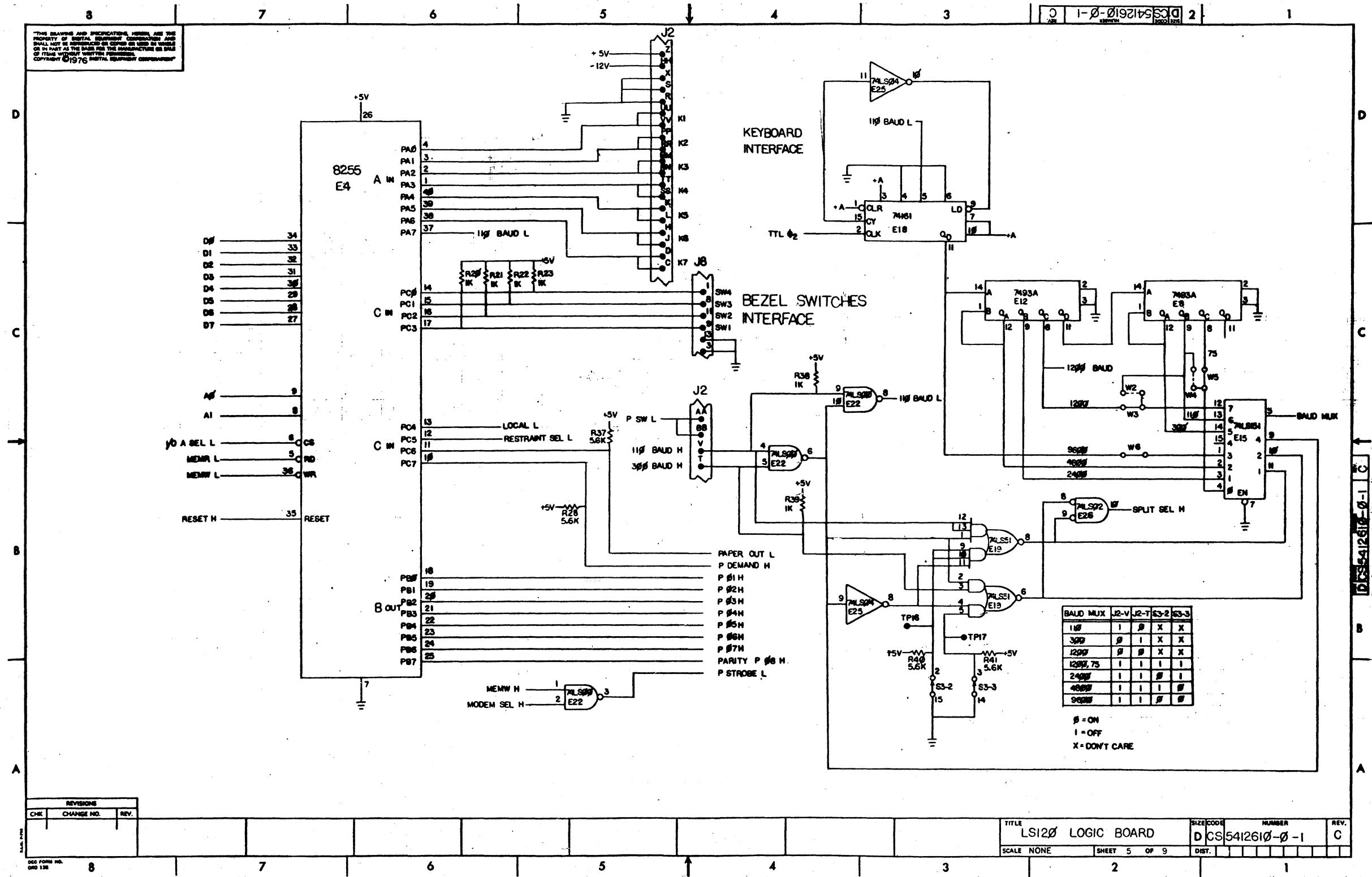
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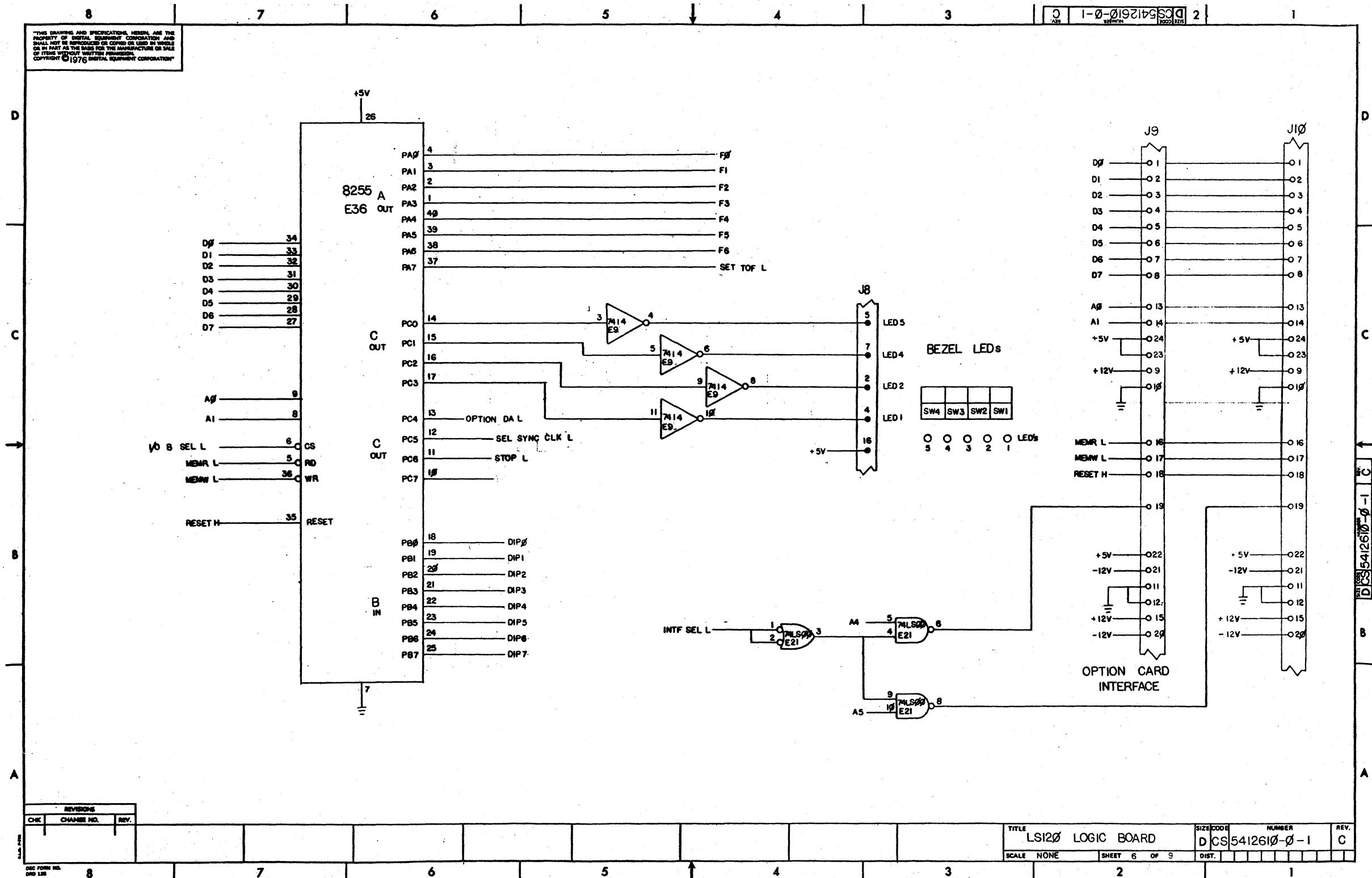
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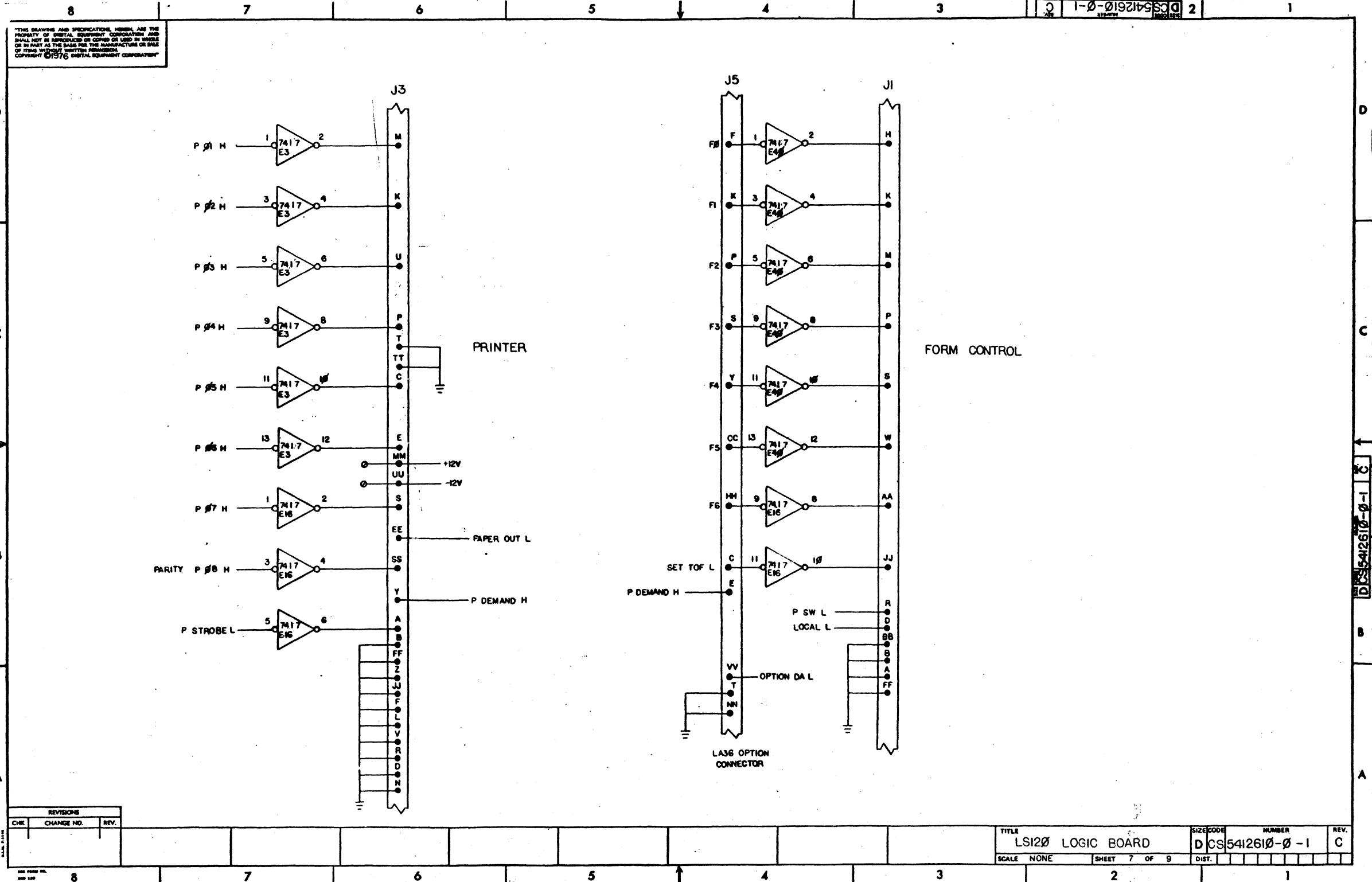
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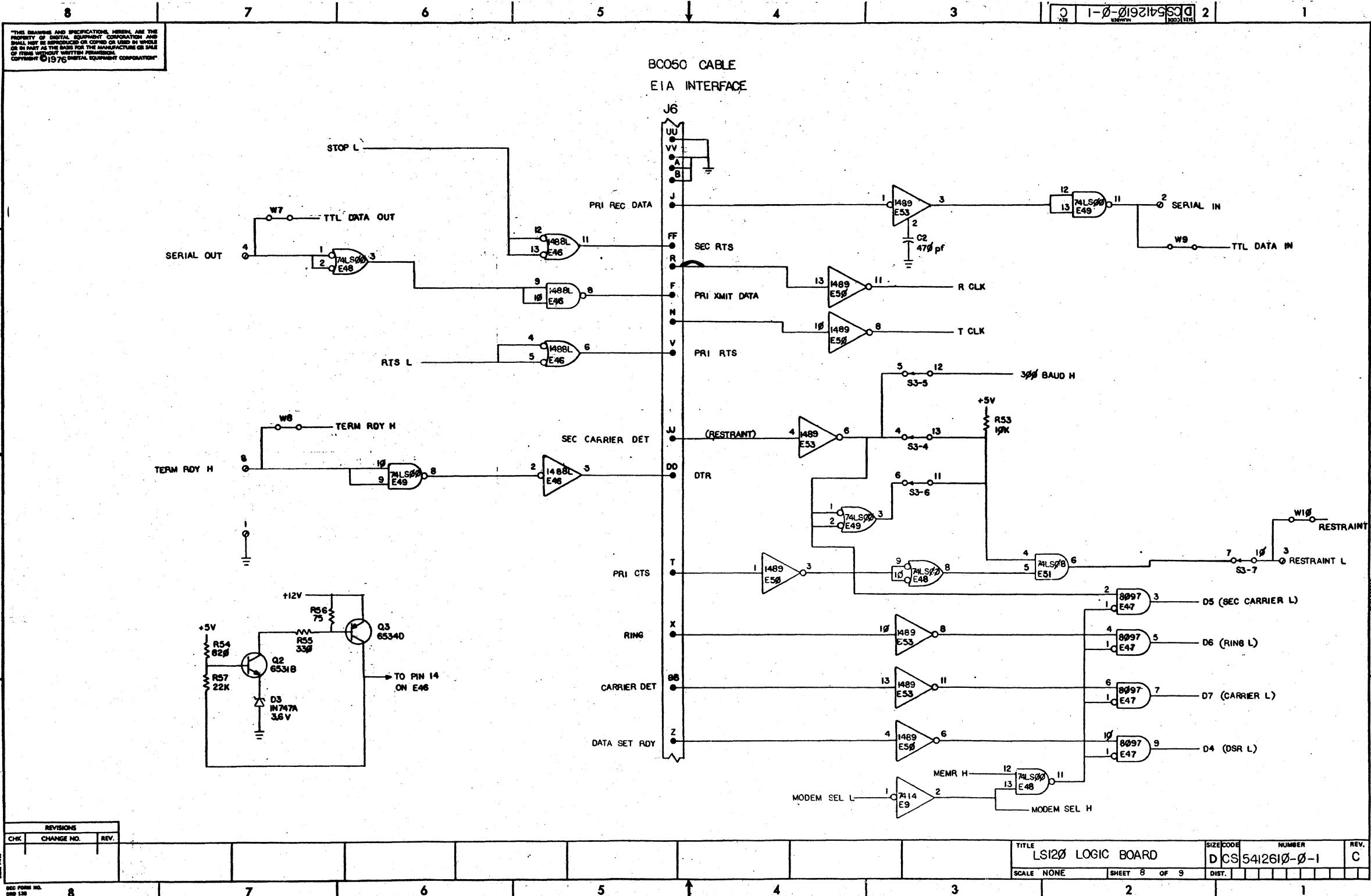


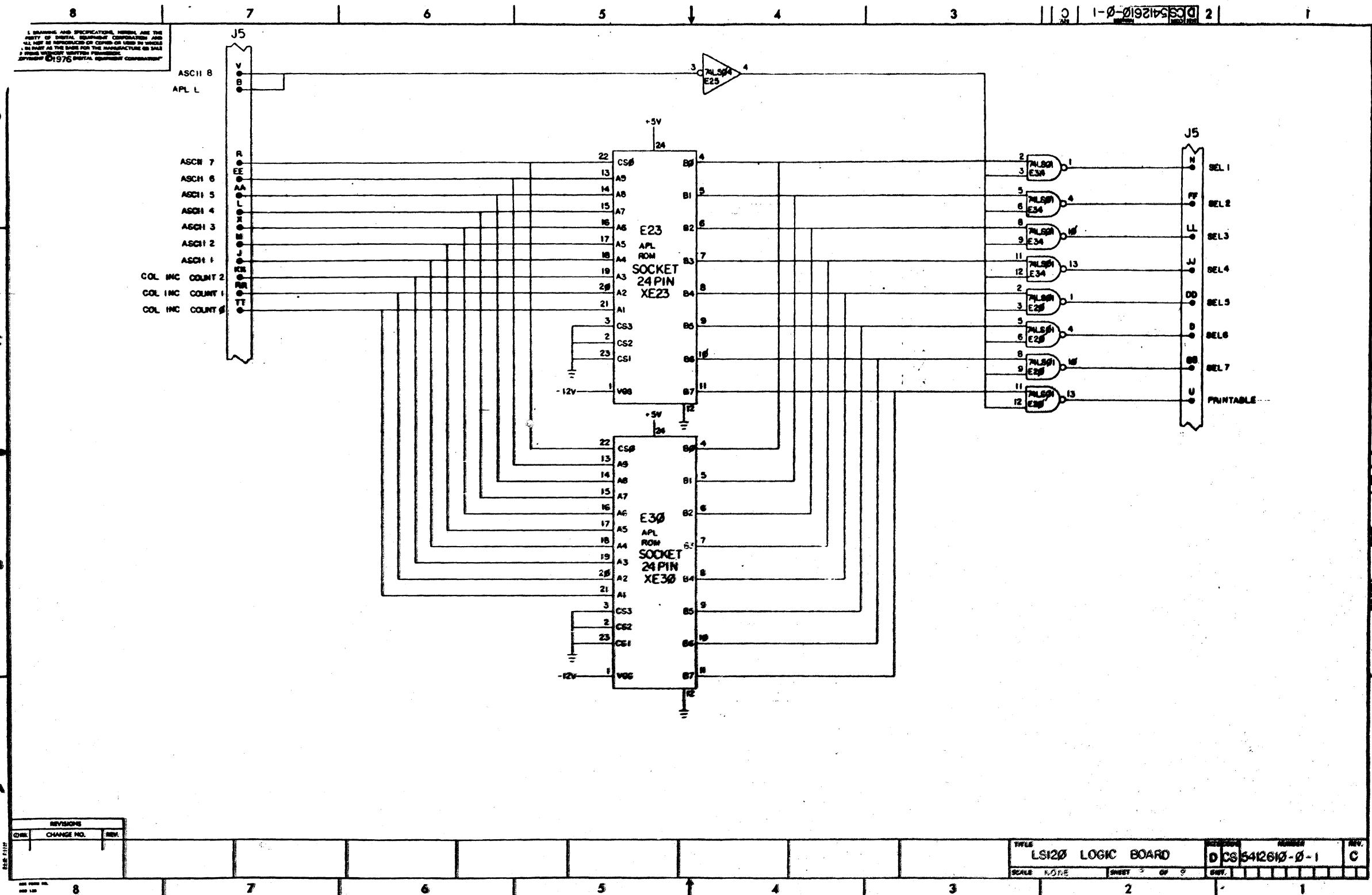












**DIGITAL EQUIPMENT CORPORATION
PARTS LIST**

MADE BY X. Lamache
DATE 7 MAR 77
ENG John L. Egert
DATE 28/MAR/77

CHECKED RW Counter
DATE 7 Mar 77

SECTION 1
ISSUED SECTION 1

NOTES:

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION			REF DESIGNATION
				5412610-0	5412610-1	5412610-2	
1	D-MD-5012609-0-0	5012609	ETCHED CIRCUIT BOARD	1	1	1	
2		1000086	CAP 180UF 6V 20%	1	1	1	C1
3		1000024	CAP 470UF 100V 5%	1	1	1	C2
4		1000075	CAP 25UF 25V	7	7	7	C4,C55,C56,C58 THRU C61
5		1001765	CAP .005UF 100V 20%	1	1	1	C5
6		1001610-01	CAP .01UF 100V	49	49	49	C6,C7,C9 THRU C54,C57
7		1111205	DIODE Z483B 2% .40W	1	0	0	D1
8		1110994	DIODE IN751A 5% .40W	0	1	1	D1
9		1105275	DIODE D672	1	1	1	D2
10		1110672	DIODE IN747A 5% .40W	1	1	1	D3
11		1209941-02	CONN., 40 PINS	4	4	0	J1,J2,J3,J6
12		1209941-02	CONN., 40 PINS	0	0	3	J2,J5,J6
13		1209340	CONN., MATE-N-LOK ; 8 PIN HOUSING	1	1	1	J4
14		1211813	SOCKET 16 PINS	2	2	2	J7,J8
15		1210693	SOCKET 24 PINS	6	0	0	J9,J10,XE5,XE10,XE13,XE17
16		1210693	SOCKET 24 PINS	0	5	0	J9,J10,XE24,XE27,XE31
17		1809880-10	CRYSTAL 15.206 MHZ	1	1	1	Y1
18		1211164-04	SWITCH 8POS	3	3	3	S1,S2,S3
19		1300439	RES 3.3K 5% 1/2W	1	1	1	R1
20		1300447	RES 4.7K 5% 1/2W	8	8	8	R2 THRU R9
21		1300295	RES 330 5% 1/2W	3	3	3	R10,R18,R55

ECO. NO.

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TITLE
LS120 LOGIC BOARD

ASSY NO.
D-UA-5412610-0-0

SHEET 1 OF 4

SIZE B CODE PL
NUMBER 5412610-0-0

INSERTION PARTS LIST DATA BASE REV

REV. C

**DIGITAL EQUIPMENT CORPORATION
PARTS LIST**

MADE BY <i>R. Damache</i> DATE 7/MAR/77	CHECKED RW Counter DATE 7 MAR 77	SECTION 1
ENG <i>John L. Egert</i> DATE 29/MAR/77	PROD C. Hilton DATE 29 MAR 77	ISSUED SECTION 1

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION			NOTES:
				5412610-0	5412610-1	5412610-2	
22		1300365	RES 1K 5% $\frac{1}{4}$ W	11	11	11	R11, R12, R14, R15, R19 THRU R23, R38, R39
23		1301874	RES 5.6K 5% $\frac{1}{4}$ W	21	21	21	R13, R28, THRU R37, R40, R41, R45 THRU R52
24		1300479	RES 10K 5% $\frac{1}{4}$ W	2	2	2	R16, R53
25		1300250	RES 150 5% $\frac{1}{4}$ W	1	1	1	R17
26		1302308	RES 68 5% 2W	20	0	0	R42, R43
27		1300296	RES 330 5% $\frac{1}{2}$ W	1	1	1	R44
28		1301775	RES 820 5% $\frac{1}{4}$ W	1	1	1	R54
29		1302379	RES 75 5% $\frac{1}{4}$ W	1	1	1	R56
30		1301808	RES 22K 5% $\frac{1}{4}$ W	1	1	1	R57
31		1501742	TRANS 2904	1	0	0	Q1
32		1509338	TRANS 6531B	1	1	1	Q2
33		1503409	TRANS 6534D	1	1	1	Q3
34		1913105	I.C. DEC 8224	1	1	1	E1
35		2113108	I.C. DEC 8080	1	1	1	E2
36		1909929	I.C. DEC 7417	3	3	0	E3, E16, E40
37		2113894	I.C. DEC 8255	2	2	2	E4, E36
38		1912824	I.C. DEC 74LS74	1	1	1	E6
39		1912842	I.C. DEC 74LS138	2	0	0	E7, E14
40		1912842	I.C. DEC 74LS138	0	1	1	E7
41		1909054	I.C. DEC 7493A	2	2	2	E8, E12
42		1911324	I.C. DEC 7414	1	1	1	E9
ECO. NO.							

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TITLE
LS120 LOGIC BOARD

ASSY NO.
D-UA-5412610-0-0

SIZE
B

CODE
PL

NUMBER
5412610-0-0

SHEET 2 OF 4

INSERTION PARTS LIST DATA BASE REV

**DIGITAL EQUIPMENT CORPORATION
PARTS LIST**

MADE BY *J. Lamache*
DATE 7/MAR/77

ENG *J. L. Egert*
DATE 28/MAR/77

CHECKED RW Counter
DATE 7 MAR 77

SECTION 1

PROD C. Hilton
DATE 29 - MAR 77

ISSUED SECTION 1

NOTES:

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION								REF DESIGNATION
				5412610-0	5412610-1	5412610-2						
43		1912803	I.C. DEC 74LS04	2	2	2						E11,E25
44		1912844	I.C. DEC 74LS151	1	1	1						E15
45		1910650	I.C. DEC 74161	1	1	1						E18
46		1912820	I.C. DEC 74LS51	2	2	2						E19,E29
47		1912799	I.C. DEC 74LS00	4	4	4						E21,E22,E48,E49
48		1912801	I.C. DEC 74LS02	1	1	1						E26
49		2111318-01	I.C. DEC 2102	8	8	8						E28,E32,E35,E38,E41,E43,E44,E45
50		1911527	I.C. DEC 8097	2	2	2						E33,E47
51		2113107	I.C. DEC 8251	1	1	1						E37
52		1912847	I.C. DEC 74LS157	2	2	2						E39,E42
53		1910322	I.C. DEC 1488L	1	1	1						E46
54		1910323	I.C. DEC 1489	2	2	2						E50,E53
55		1912805	I.C. DEC 74LS08	1	1	1						E51
56		1912807	I.C. DEC 74LS10	1	1	1						E52
57		1209456-01	PINS, CONN, FEMALE	8	8	8						
58		9009185	JUMPER, WHT INSULATION	7	0	0						W3,W5 THRU W10
59		9009185	JUMPER, WHT INSULATION	0	8	0						W1,W3,W5 THRU W10
60		9006735	SPLIT LUGS	7	7	7						
61		9007112	FASTON TABS	2	2	2						
62		1210711-01	HANDLE, MODULE, HEX BD.	1	1	1						
63		9007201	TRANSIPADS	1	0	0						

E.C.O. NO.

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TITLE

LS120 LOGIC BOARD

ASSY NO.

D-UA-5412610-0-0

SIZE

B

CODE

PL

NUMBER

5412610-0-0

REV.

C

SHEET 3 OF 4

INSERTION PARTS LIST DATA BASE REV

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION								NOTES:		
MADE BY X. Lamache DATE 7/MAR/77		CHECKED RW Counter DATE 7 Mar 77		SECTION 1		5412610-Ø	541261Ø-1	541261Ø-2						
ENG John L. Egypt DATE 28/MAR/77		PROD C. Hilton DATE 29 MAR 77		ISSUED SECTION 1										
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION										REF DESIGNATION	
64		1210693	SOCKET 24 PINS	0	0	7							J9, J1Ø, XE23, XE24, XE27, XE3Ø, XE31	
65		1912800	I.C. DEC 74LSØ1 ←	0	0	2							E2Ø, E34	
66		1209941-03	LATCH, LEFT	2	2	1								
67		1209941-04	LATCH, RIGHT	1	1	1								
68		9009000	EYELET (FASTON TAB)	2	2	2								
69		9006732	EYELET (MATE-N-LOK)	2	2	2								
70		9006732	EYELET (HANDLE)	12	12	12								
71		9009185	JUMPER WHT INSULATION	0	0	8							W1, W2, W5 THRU W1Ø	
E.C.O. NO.														
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"				TITLE LS12Ø LOGIC BOARD				ASSY NO. D-UA-541261Ø-Ø-Ø			SIZE B	CODE PL	NUMBER 541261Ø-Ø-Ø	REV. C
DRP 125				SHEET 4 OF 4				INSERTION PARTS LIST DATA BASE REV						

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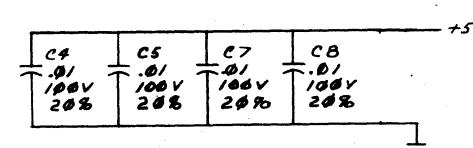
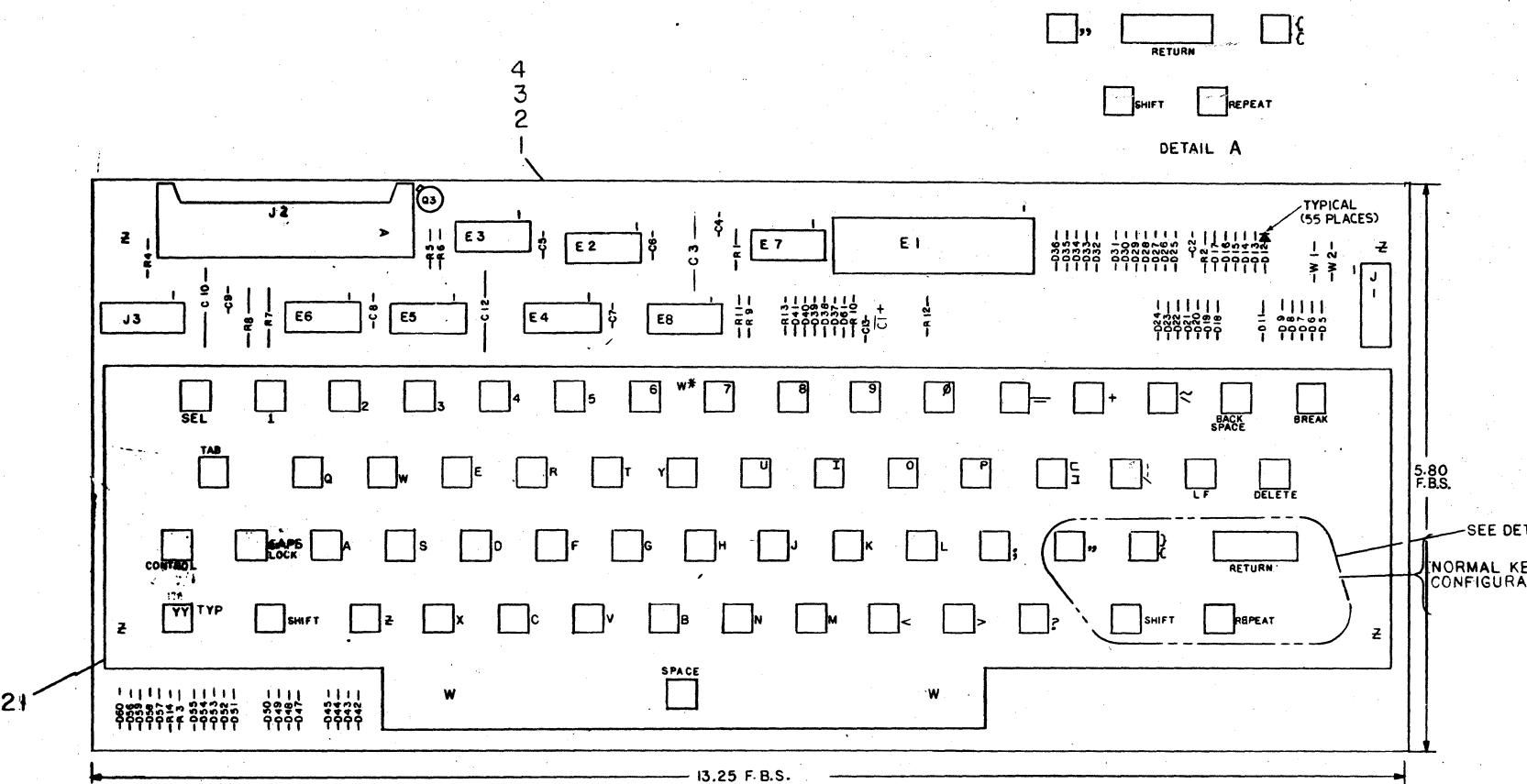
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NOTES: TWO VARIATIONS OF THIS BOARD SHALL BE AVAILABLE

- VOTES:** TWO VARIATIONS OF THIS BOARD WILL BE AVAILABLE:
1. 5910736-0-NORMAL = NORMAL KEY CAP CONFIGURATION; WI, IN, AIR, OUT
2. 5910736-YA -0 YA = OPTIONAL KEY CAP CONFIGURATION; WI, IN, NI OUT



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DEC FORM
DAD-135

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REF	REF	ITEM NUMBER	DESCRIPTION	QTY	REV
			X-Y COORDINATE HOLE LOCATION		I-KC-5410736-0-4
REF	REF		ASSY/DRILLING HOLE LAYOUT		DAH-5410736-0-5
REF	REF		MODULE ECO HISTORY		B-MH-5410736-0-6
1	1		ETCHED CIRCUIT BOARD		5010735
1	1	C3	CAP., .01UF, 100V 10% NYLAR		1005784
6	6	C4,C5,C7,C8,C9,C13	CAP., .01UF, 100V 20% DISC		1001610-01
1	1	C1	CAP., 1UF, 25V TANT		1010866-01
1	1	C2	CAP., 180PF, 100V 5% MICH		1000020-00
2	2	C10,C12	CAP., 10UF, 20V 10% TANT		1004813
55	55	D5-D9,D11-D45,D47-D61	DIODE, D664		1100114-00
1	1	Q3	TRANSISTOR DEC 3009B		1503100-00
2	2	J1, J3	SOCKET (16 PINS)		1211813
1	1	J2	CONNECTOR, RIGHT ANGLE HEADER		1209941-02
1	1	XE1	SOCKET ROM		12/23085-00
1	1	E2	I.C. 7404		1909686
2	2	E3,E8	I.C. 7400		1905575
2	2	E5,E6	I.C. 7437		1910091
1	1	E4	I.C. 9601		1909373
1	1	E1	I.C. ROM.		23002C1
0	1	W1	JUMPER(INSULATED .4)		9009185
1	1		63 KEYSWITCH ARRAY		D-AD-760984-0-021
9	9	R1,R8,R4,R5,R10-RM	RES 1K 1/4W 5%		1300365-00
1	1	R6	RES 3.9K 1/4W 5%		1300444-00
1	1	R9	RES 22K 1/4W 5%		1301808-00
1	1	R2	RES 100K 1/4W 5%		1302446-00
2	2	R7,R8	RES 2 OHM 1/2W 5%		1309421-00
1	1	E7	I.C. 7410		1905576
1	0	W2	JUMPER (INSULATED.4)		9009185
1	1		200 1000UF 100V 5% MICH		1200223-00

1	1	C6	CAP 1,000 FT 100V 5% NICH	1000042-00	27
5810736-19-0					

QTY	REF DESIGNATION	DESCRIPTION		PART NO.	ITEM NO.
		PARTS LIST			
ETCH BOARD REV F					
		DRN. POIRIER	DATE 1-25-74	 EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>	TITLE LK02 KEYBOARD
		CHK'D. <i>Catalin</i>	DATE 3-7-75		
		ENG. P. NELSON	DATE 2-4-74		
		PROJ. ENG. P. NELSON	DATE 2-4-74		
		PROD.	DATE		
		NEXT HIGHER ASSY D-UA-LK02-0-0			
606	DEC NO.	EIA NO.	SCALE 1/1	SIZE CODE D/C	NUMBER 5410736-0-1
NO.			REV. E		
CTOR CONVERSION CHART					

I K02 KEYBOARD

**DEC FORM
DHD-135**

DIGITAL EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

PACKAGING INSTRUCTION

REV: A DATE: 7/75
B 1/76
C 11/76
D 4/77

TITLE DECwriter

LEGEND	
3700131-00	DECwriter with Keyboard
3700131-01	DECwriter without Keyboard

MATERIAL REQUIREMENTS - 3700131-00

Quantity	Purchase Specification No.	Description
1	9905601	Stitched Tube
1	9905601-01	Full Telescope Cap
1	9905639	Pad with Foam (LA36/LA35 only)
1	9905129-39	Poly Bag
1	9905651	Wood Skid
1	9905651-01	Wood Brace
2	90-09290-03	3/8-16 X 3 Hex-Head Bolt
1	36-12520-0-0	Caution Tag
6 ft	90-09634	Stain Resistant Tape
1	90-07032	Panduit Cable Tie
20 ft	9905734-02	Polypropylene Strapping
1	9905129-35	Poly Bag
2	9008319	Washer, Flat

PACKAGING INSTRUCTIONS - 3700131-00

Procedure

- Lift the cover and slide the print head to the left as far as it will go. Slip the Panduit Cable Tie (90-07032) around the ribbon rollers (A and B). Do not over-tighten. Fasten Caution Tag (36-12520-0-0) to tractor drive shaft. Close cover.
- Place Pad with Foam (9905639) (foam side down) on top of the LA36/LA35 keyboard. Tape with two (2) strips of glass filament tape (90-09634). Tape back door closed, using two (2) strips of glass filament tape (90-09634).
- Place DECwriter on top of Skid Deck (9905651).
- Place all hardware and software into Poly Bag (9905129-35) and staple to deck of skid.
- Place one strip of CW21 (Custom Wrap) or Microfoam, over each leg of the DECwriter.
- Place Wood Brace (9905651-01) on top of legs *as far back as it will go* to properly align the bolt holes.
- Place Hex-Head Bolts (9009290-03) and washers (9008319) through the bolt holes in the wood brace into the Tee Nuts in the underside of the skid deck; then tighten down.
- Place a Poly Bag (9905129-39) over the DECwriter. Then, place the Stitched Tube (9905601) over and around the unit. Assemble Full Telescope Cap (9905601-01) and place on top of Stitched Tube.

NOTE

Make sure that the Stitched Tube is resting on the wood skid base, on all 4 sides.

- Strap in two places as shown in Figure 2.

ENG Bill Patten 4/26/77 APPD L.J. Nielsen 4-27-77

SIZE A CODE SP NUMBER 3700131-0-0 REV D

PACKAGING INSTRUCTION

CONTINUATION SHEET

TITLE DECwriter

MATERIAL REQUIREMENTS - 3700131-01

Quantity	Purchase Specification No.	Description
1	9905601	Stitched Tube
1	9905601-01	Full Telescope Cap
1	9905129-39	Poly Bag
1	9905651	Wood Skid
1	9905651-01	Wood Brace (2 X 3)
2	90-09290-03	3/8-16 X 3 Hex-Head Bolts
1	36-12520-0-0	Caution Tag
2 ft	90-09634	Stain Resistant Tape (3M)
1	90-07032	Panduit Cable Tie
20 ft	9905734-02	Polypropylene Strapping
1	9905129-35	Poly Bag
2	9008319	Washer, Flat

PACKAGING INSTRUCTIONS - 3700131-01

Step

Procedure

- Lift the cover and slide the print head to the left as far as it will go. Slip the Panduit Cable Tie (90-07032) around the ribbon rollers (A and B). Do not over-tighten. Fasten Caution Tag (36-12520-0-0) to tractor drive shaft. Close cover.
- With two (2) strips of glass filament tape (90-09634) tape back door closed.
- Place DECwriter on top of Skid Deck (9905651).
- Place all hardware and software into Poly Bag (9905129-35) and staple to deck of skid.
- Place one strip of CW21 (Custom Wrap) or Microfoam, over each leg of the DECwriter.
- Place Wood Brace (9905651-01) on top of legs *as far back as it will go* to properly align the bolt holes.
- Place Hex-Head Bolts (9009290-03) and washers (9008319) through the bolt holes in the wood brace into the Tee Nuts in the underside of the skid deck; then tighten down.
- Place a Poly Bag (9905129-39) over the DECwriter. Then, place the Stitched Tube (9905601) over and around the unit. Assemble Full Telescope Cap (9905601-01) and place on top of Stitched Tube.

NOTE

Make sure that the Stitched Tube is resting on the wood skid base, on all 4 sides.

- Strap in two places as shown in Figure 2. Use Polypropylene strapping (9905734-02).

Bill Patten 4/26/77 L.J. Nielsen 4-27-77

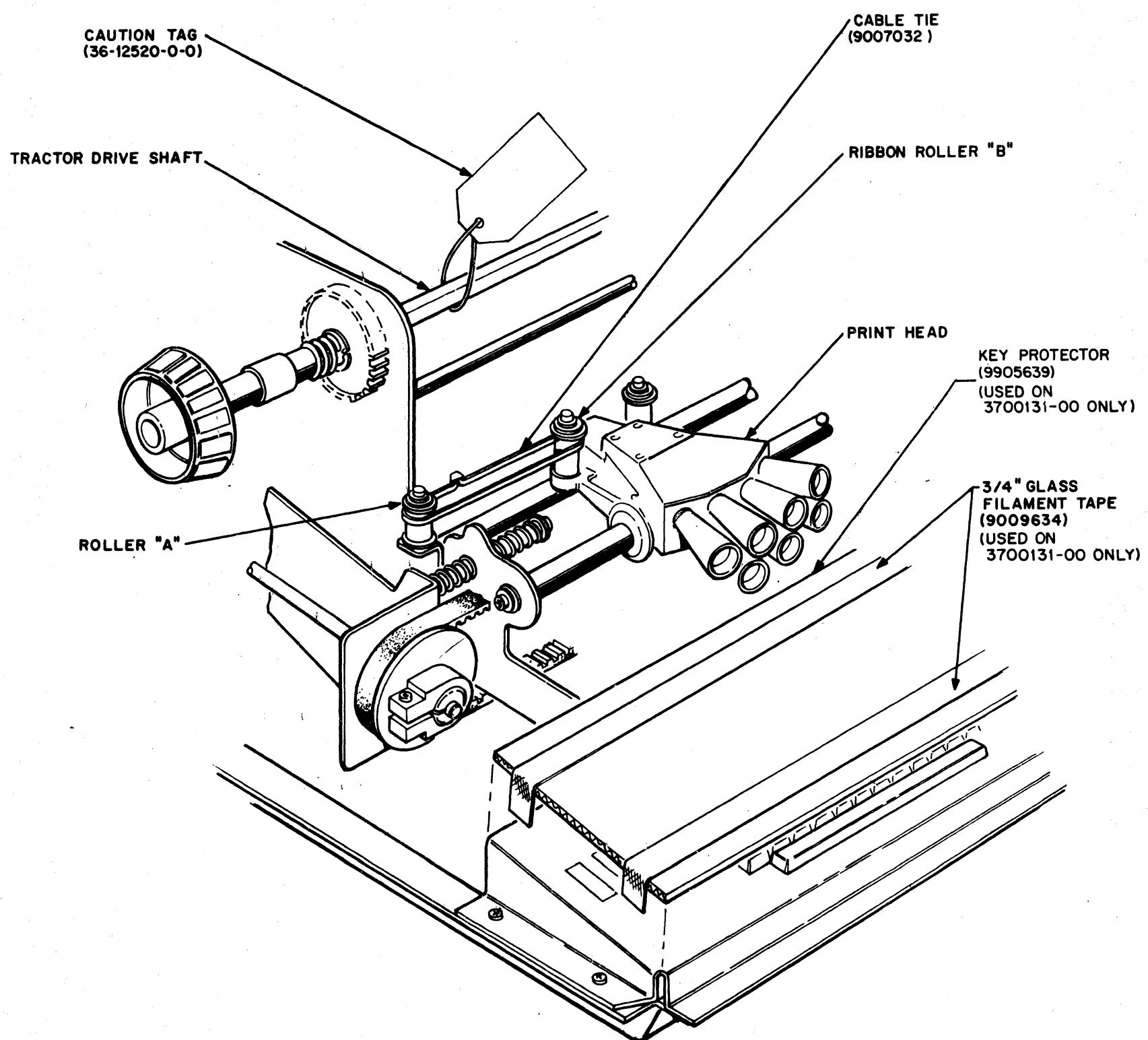
SIZE A CODE SP NUMBER 3700131-0-0 REV D

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PACKAGING INSTRUCTION

REV: C DATE: 11/76
D 4/77

TITLE DECRITER



NOTE:
Make changes to "C" size original
only and rephotograph.

ENG	APPD.	SIZE	CODE	NUMBER	REV
Ken Marian 7/7/75	J.W. Lawrence 7/7/75	A	SP	3700131-0-0	D

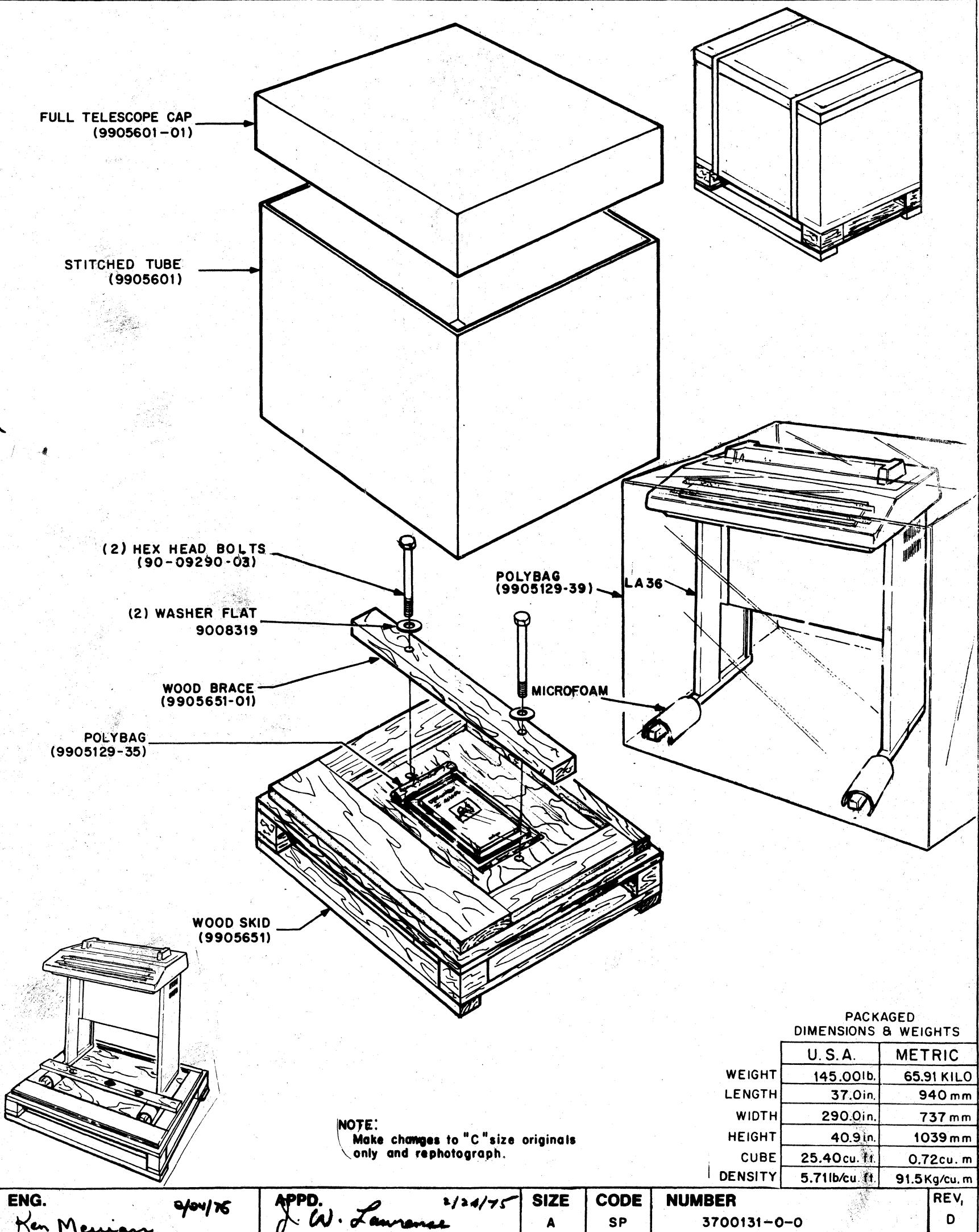
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PACKAGING INSTRUCTION

REV: C DATE: 11/76
D 4/77

TITLE

DECWRITER



NOTE:
Make changes to "C" size originals
only and rephotograph.

PACKAGED DIMENSIONS & WEIGHTS

	U.S.A.	METRIC
WEIGHT	145.00lb.	65.91 KILO
LENGTH	37.0in.	940 mm
WIDTH	290.0in.	737 mm
HEIGHT	40.9in.	1039 mm
CUBE	25.40cu. ft.	0.72cu. m
DENSITY	5.71lb/cu. ft.	91.5Kg/cu. m

ENG.

Ken Menian

APPD.

J. W. Lawrence

SIZE

A

CODE

SP

NUMBER

3700131-0-0

REV.

D

DRC-108

SHEET 4 OF 4